



Data Analysis Tool

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The goal of this tool is to make the analysis of UEQ (User Experience Questionnaire) data as easy as possible for you. You simply enter the data obtained from your respondents into the Data worksheet. The tool then automatically calculates all statistics necessary to interpret the results. In addition, several graphs are shown that you may want to use in your result presentations. Simply copy them to your word processor or presentation tool.

The instructions in this tool are in English. To make the interpretation of the results easier and to have the charts in your language you can switch the language in the following dropdown. This will only switch the items and scale names, not the instructions in the Excel.

Choose your Language: Indonesian

Please Note: Changing the language will show the UEQ items and the UEQ dimensions in the selected language. All other texts will remain in English.

The tool contains the following work sheets:

Data: Here you can enter the raw data of your evaluation. **This is the only work sheet that you need to modify. Do not change the content of the other work sheets, you may destroy unintentionally some of the formulas in the cells!**

DT: The order of the items (i.e. if the positive term is left or right in an item) is randomized in the questionnaire to minimize answer tendencies. Here the items are changed to a common order (negative term left, positive term right). The transformed data are used for all the further calculations.

Results: Main results of the questionnaire. Here the scale means and the mean and standard deviation per item are calculated.

Confidence_Interval: Confidence intervals for the scale means and for the mean of each item are calculated.

Answer_Distributions: Here you can see the distributions of the answers (values 1 to 7) for the single items. This can help to find items that show a polarization of opinions, i.e. where many negative and many positive answers can be found.

Scale_Consistency: Here the Cronbach-Alpha Coefficient and Guttman's Lambda2 coefficient per scale are calculated. Check here if the scales have a sufficiently high value. Scales with a small value (<0.5) should be treated carefully in the interpretation (if you have only a small sample size (< 50 responses) then interpret these values very carefully). In such cases a small value for these coefficients may result solely from sampling effects and may not indicate a real problem.

Benchmark: The benchmark shows you in an easy way how good the evaluated product is compared to the products in the benchmark data set. There is also a graphic that shows for each scale how the results are related to the products in the benchmark data set.

Inconsistencies: On this work sheet the data are analysed for inconsistent answers, i.e. answers from participants that answered at least a part of the items randomly. You may want to remove these data before you calculate the results.

Sample_Size: If you observe big error bars concerning the scale means you may ask yourself if you need to collect additional data. This sheet helps you to estimate how many data you need in order to reach a certain precision.

KPI_Calculation: There is an extension of the UEQ with 6 additional questions. This extension allows to calculate a KPI (single number representing the overall user experience). This work sheet is only relevant if you used this extension. It allows to enter the data obtained for the 6 additional questions and calculates the KPI.

Items: Contains the item and dimension names in the different languages. Used for switching the language. Please do not modify date in this sheet.

Please enter the data here!

Use the item numbers in the printed questionnaire and the categories 1 (if the alternative on the extreme left is marked) to 7 (if the alternative on the extreme right is marked).

Leave the cell empty if the person has not answered the item. Please do not enter a special character in such cases, since this would cause errors in the calculations.

You can enter data for a **maximum of 1000** participants. If you need more, you have to adjust the formulas in the Excel.

The data analysis tool is delivered with some example data in this work sheet. Simply delete them before you enter your data here.

Items																									
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Transformed Data

The order of the positive and negative term for an item is randomized in the questionnaire. Per dimension half of the items start with the positive and half with the negative term.

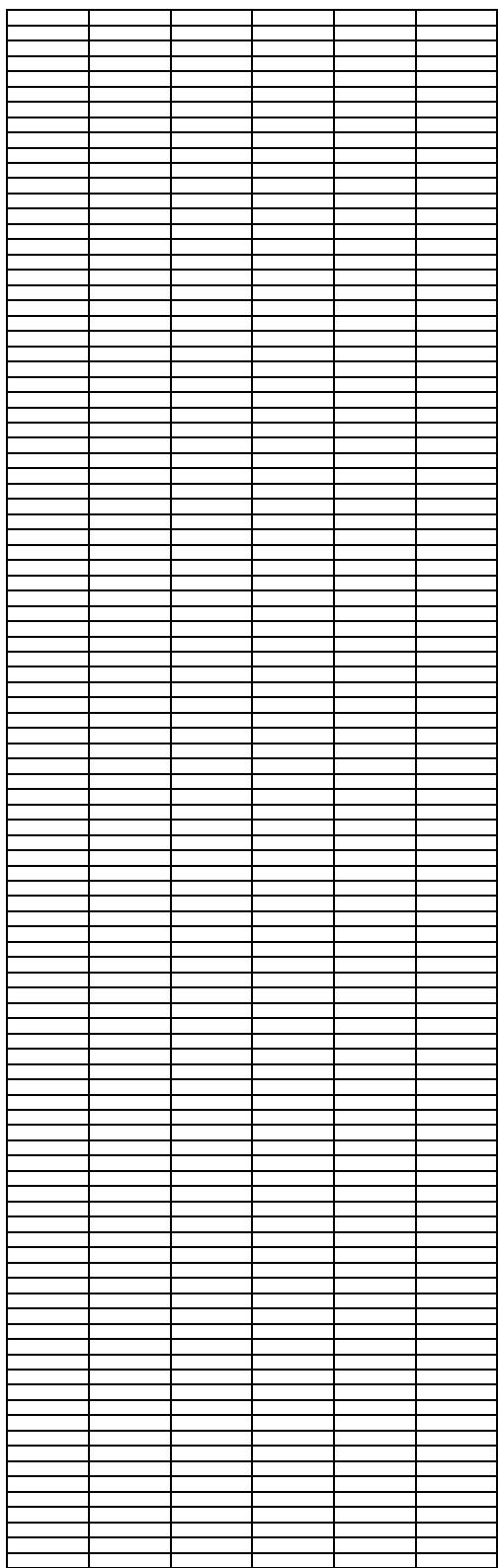
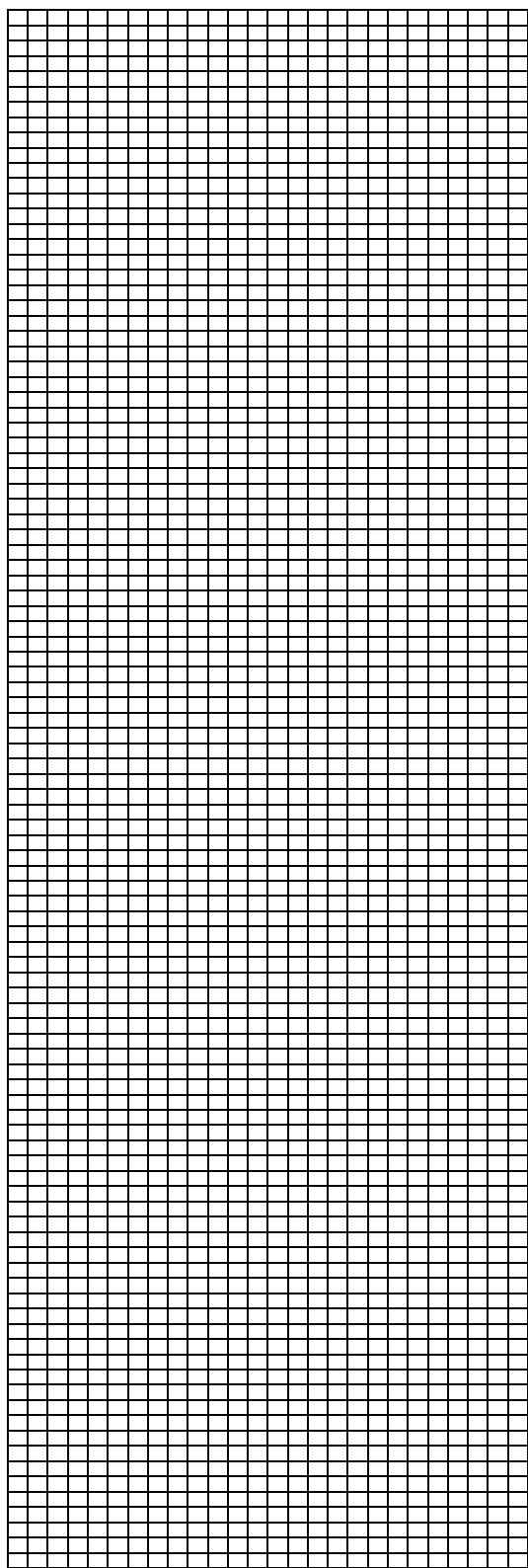
Here you can find the transformed values per item. You can use these values for example for own statistical calculations. The +3 represent the most positive and the -3 the most negative value.

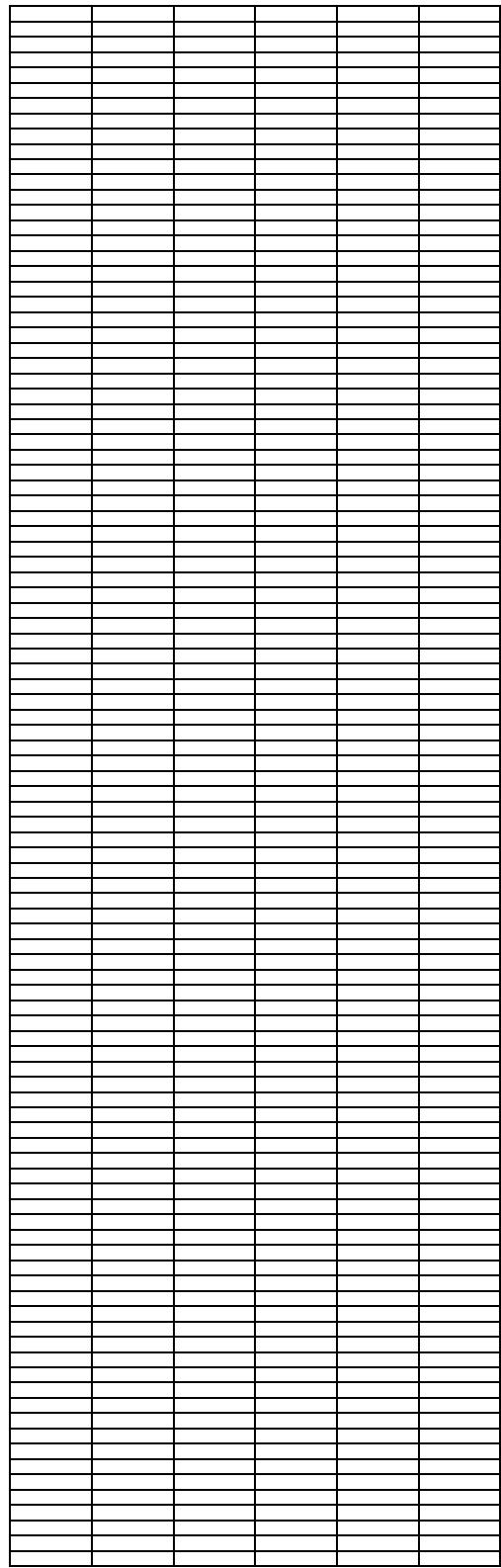
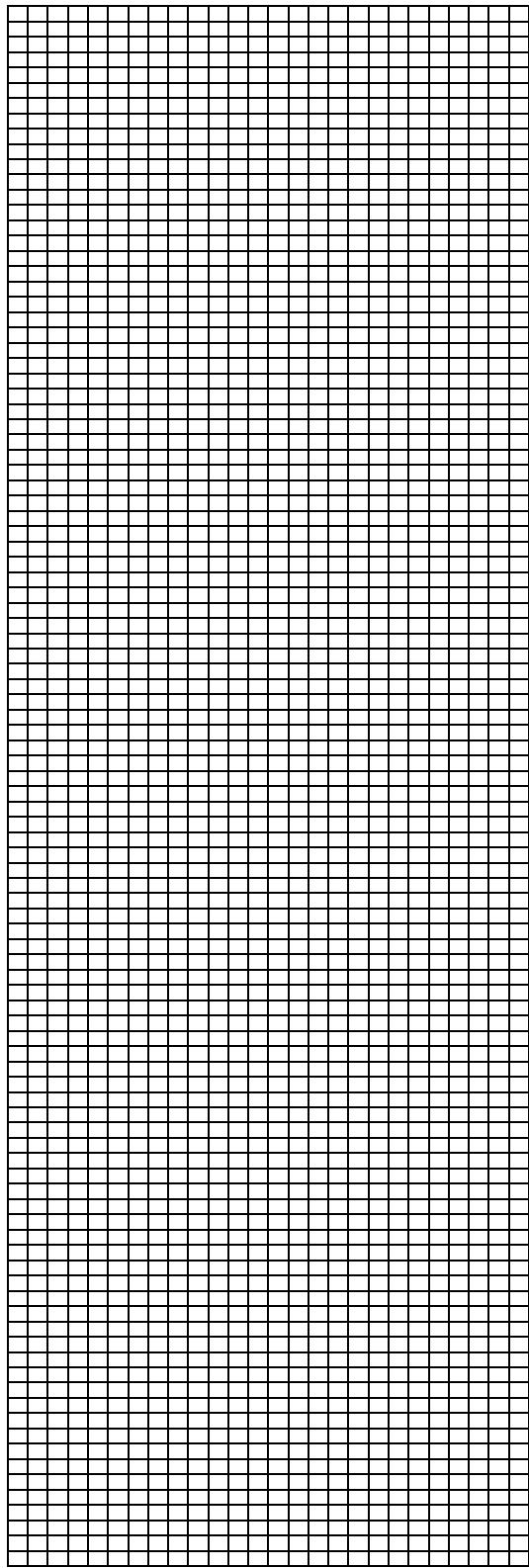
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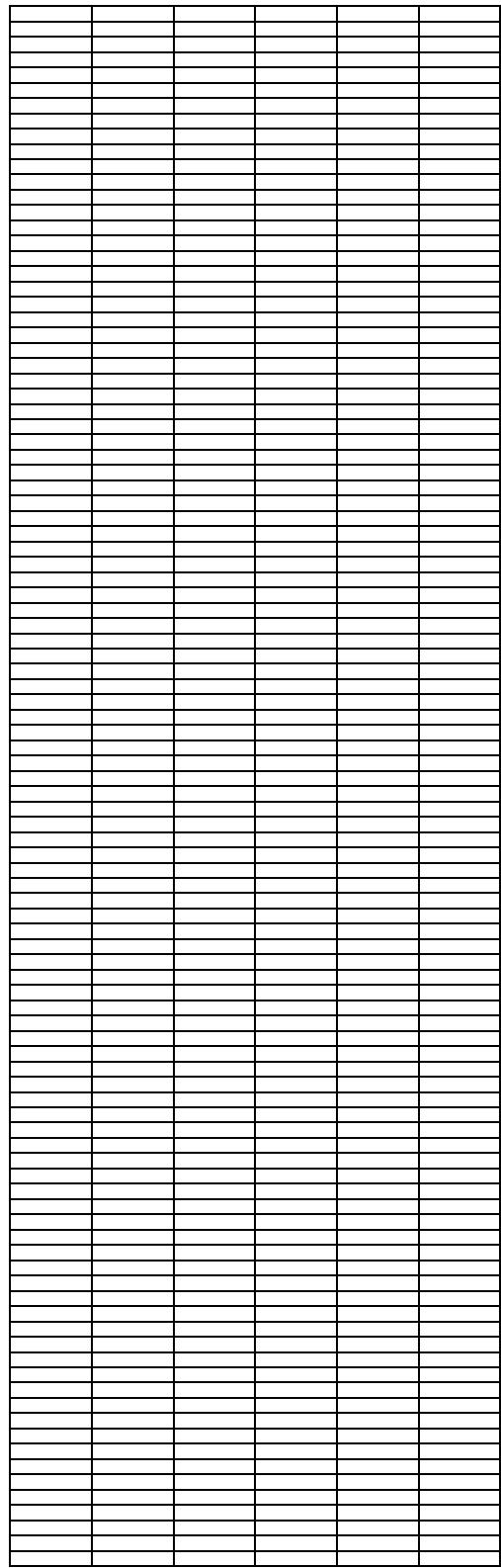
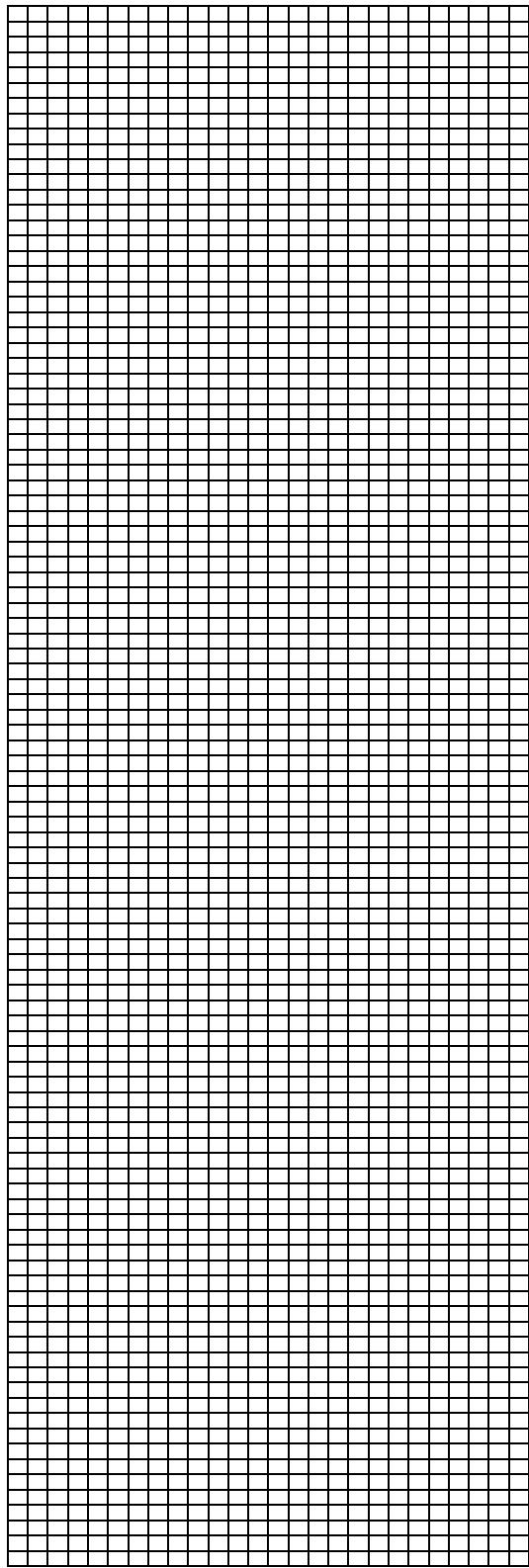
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2	2	2	2	2	2	2	2	1	1	2	-2	-1	1	1	2	2	2	1	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
2	3	2	2	2	2	2	2	1	1	2	-2	-1	1	1	2	2	2	1	2	2	2	2	2	2	2	2
1	2	1	1	2	1	0	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
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1	3	1	0	1	3	1	0	0	1	0	1	1	1	-1	0	1	0	1	1	0	1	1	0	1	1	0
2	2	2	2	2	2	2	2	1	1	2	-2	-1	1	1	2	2	2	1	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
2	3	2	2	2	2	2	2	1	1	2	-2	-1	1	1	2	2	2	1	2	2	2	2	2	2	2	2
1	2	1	1	2	1	0	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
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1	3	1	0	1	3	1	0	0	1	0	1	1	1	-1	0	1	0	1	1	0	1	1	0	1	1	0
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3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
2	3	2	2	2	2	2	2	1	1	2	-2	-1	1	1	2	2	2	1	2	2	2	2	2	2	2	2
1	2	1	1	2	1	0	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
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1	3	1	0	1	3	1	0	0	1	0	1	1	1	-1	0	1	0	1	1	0	1	1	0	1	1	0
2	2	2	2	2	2	2	2	1	1	2	-2	-1	1	1	2	2	2	1	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
2	3	2	2	2	2	2	2	1	1	2	-2	-1	1	1	2	2	2	1	2	2	2	2	2	2	2	2
1	2	1	1	2	1	0	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
2	2	0	-1	2	1	1	2																			

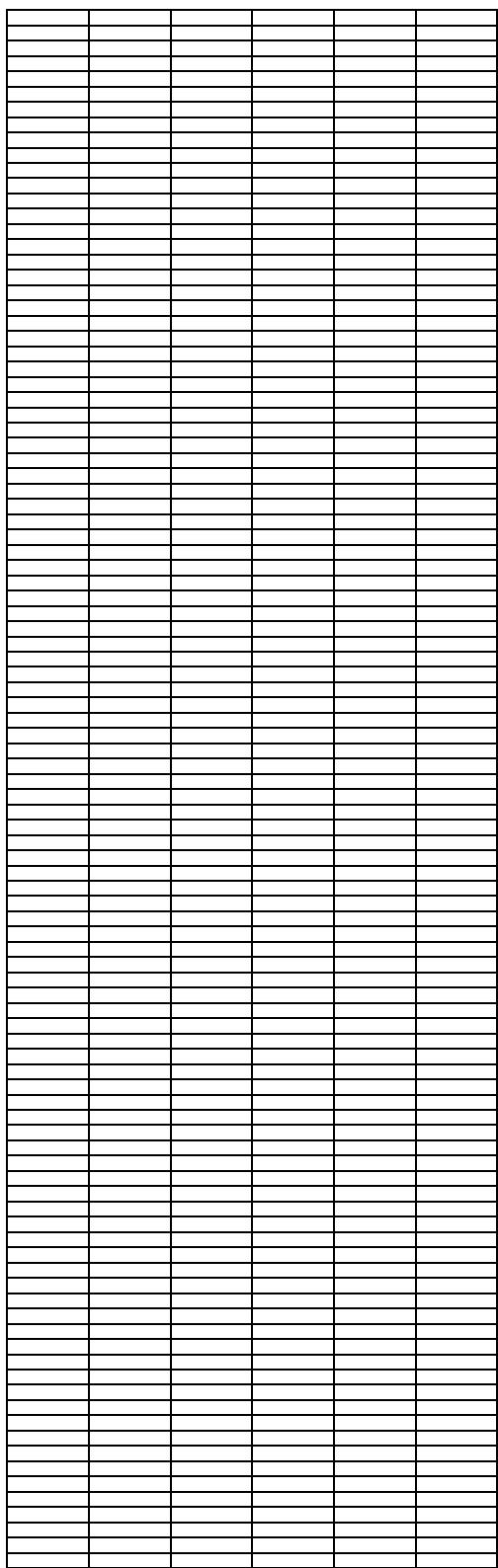
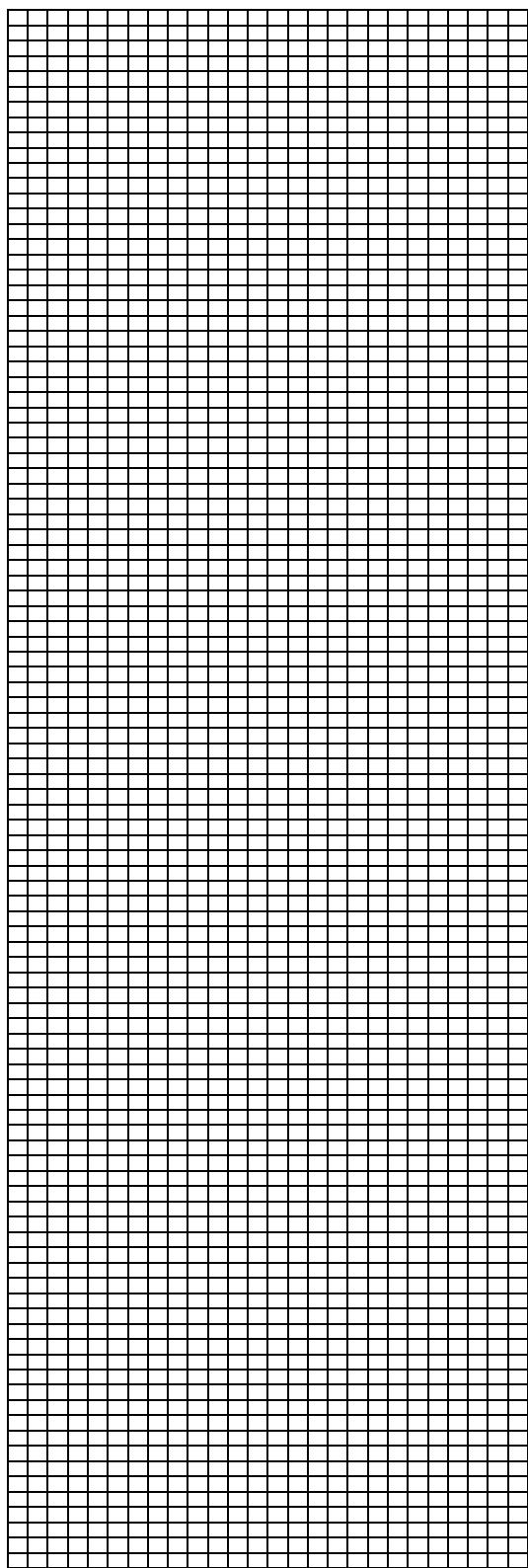
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-2	3	0	3	3	0	0	3	3	-1	0	2	3	1	-2	1	2	0	2	3	2	3	2	0	0	1
1	3	0	2	0	0	1	1	2	1	3	-2	3	2	-1	-1	2	0	1	2	2	1	1	1	0	-2
0	3	-1	-2	-1	0	1	1	-1	0	3	1	2	1	1	1	2	0	2	3	1	2	1	2	1	0
-1	-2	-2	1	-2	-3	-3	-2	2	-1	0	0	0	-3	-2	-2	3	-2	-2	-1	-2	-2	-2	-2	0	0
2	2	2	2	2	2	2	1	1	2	2	-1	1	1	1	2	2	1	2	2	2	1	2	2	2	2
-2	3	0	3	3	0	0	3	3	-1	0	2	3	1	-2	1	2	0	2	3	2	3	2	0	0	1
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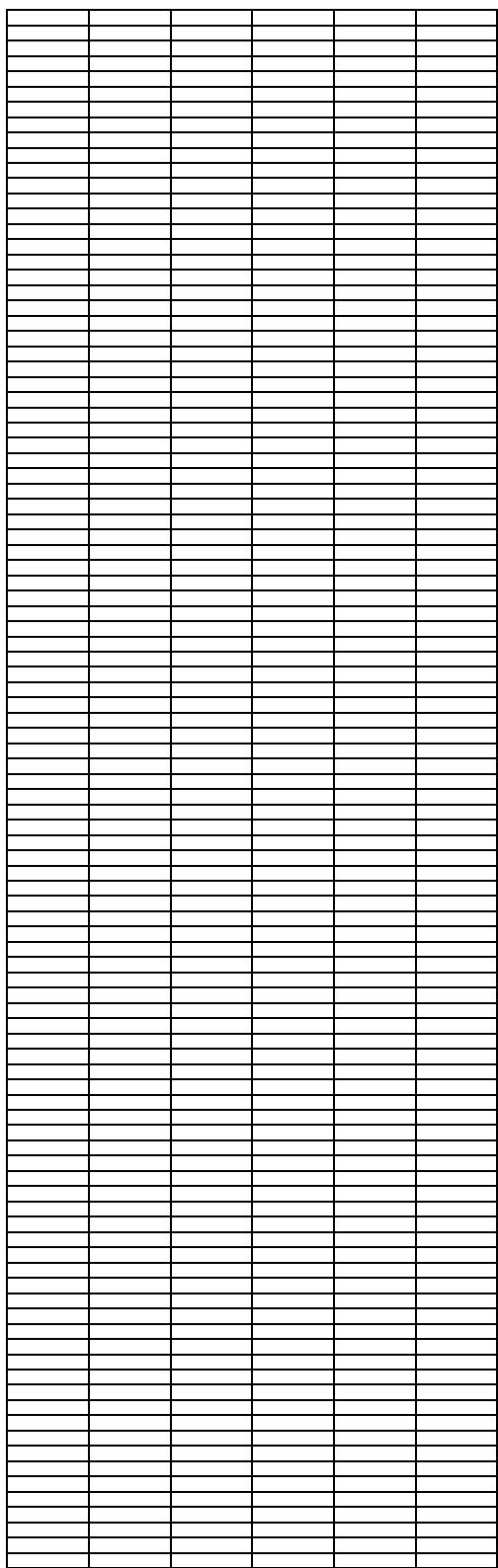
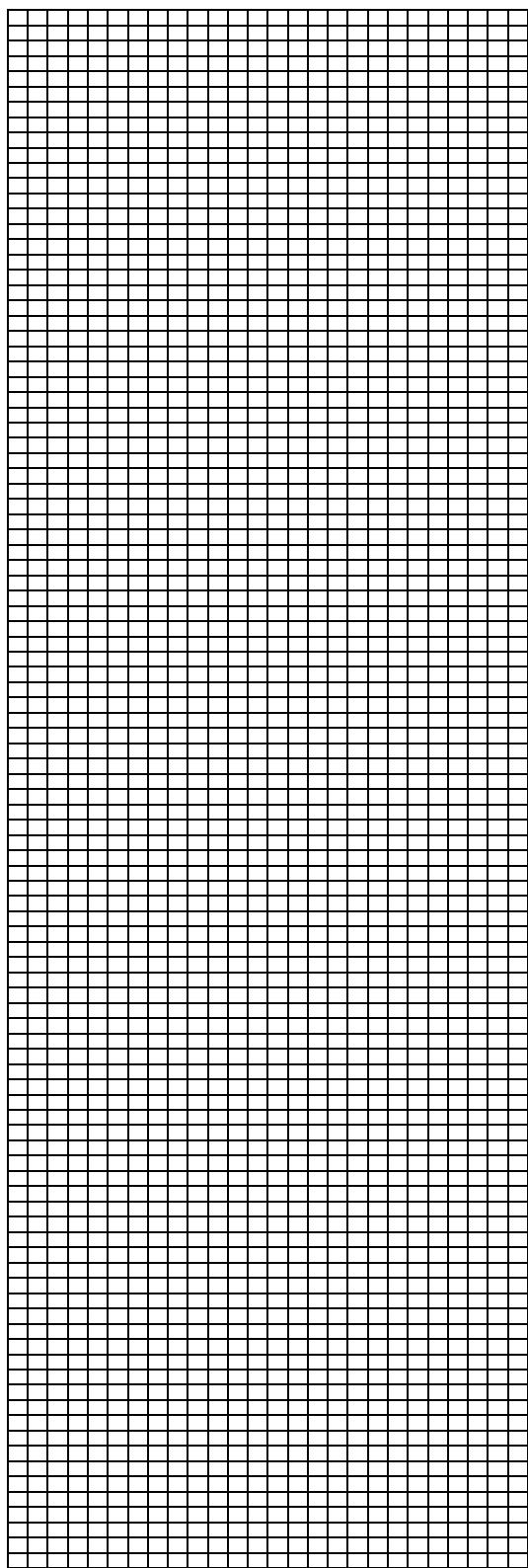
2,50	3,00	2,75	1,50	2,00	1,50
0,50	-0,50	1,00	0,50	-0,50	0,00
0,33	2,75	2,75	1,75	0,75	-0,50
-0,50	2,00	3,00	1,25	0,25	-0,50
1,17	1,00	0,75	1,50	0,00	0,00
-1,67	-0,75	-0,75	-0,25	-2,50	-1,25
1,67	1,25	1,50	1,75	2,00	1,50
0,33	2,75	2,75	1,75	0,75	-0,50
0,83	3,00	3,00	1,75	1,00	0,75

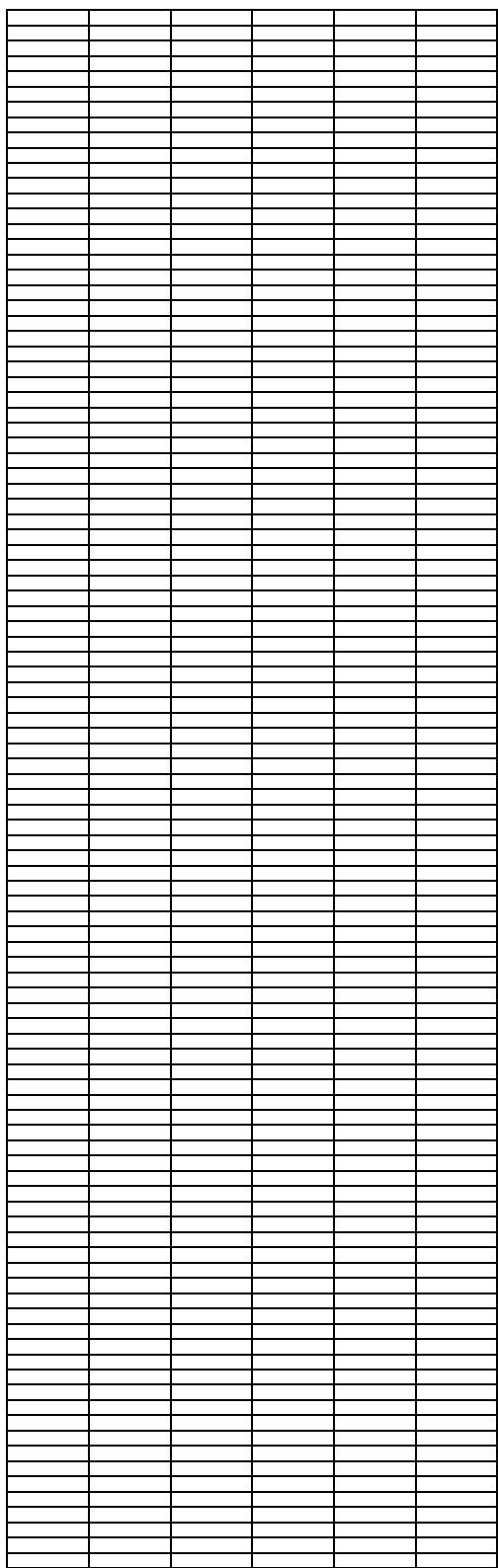
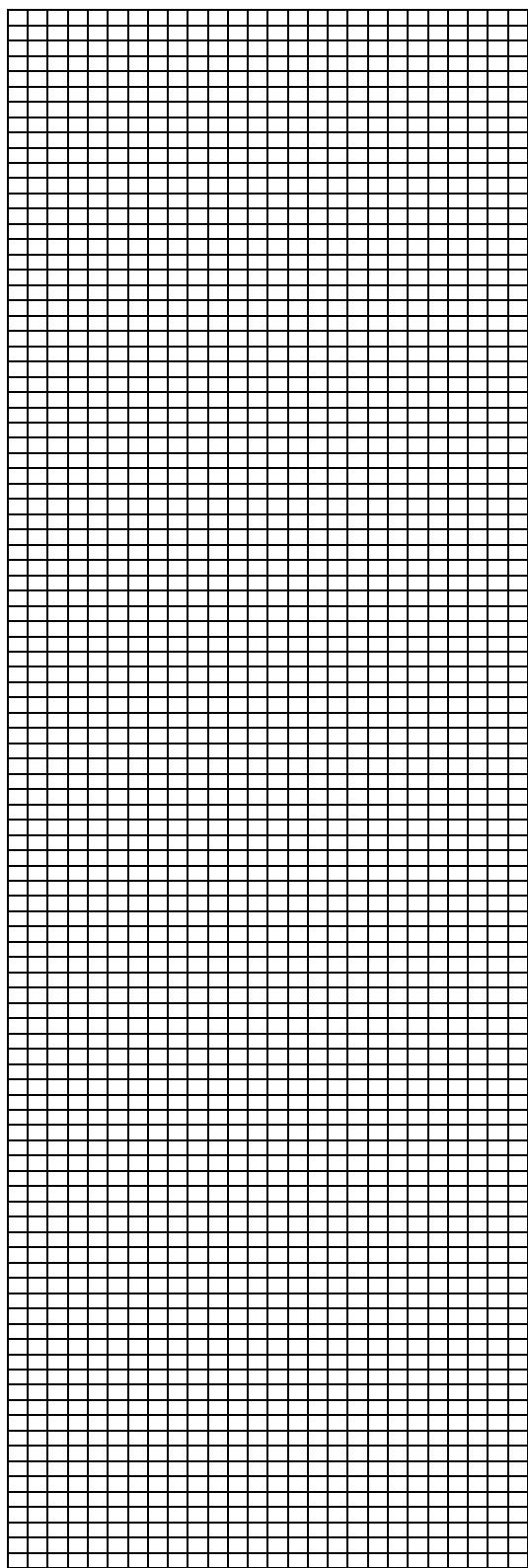


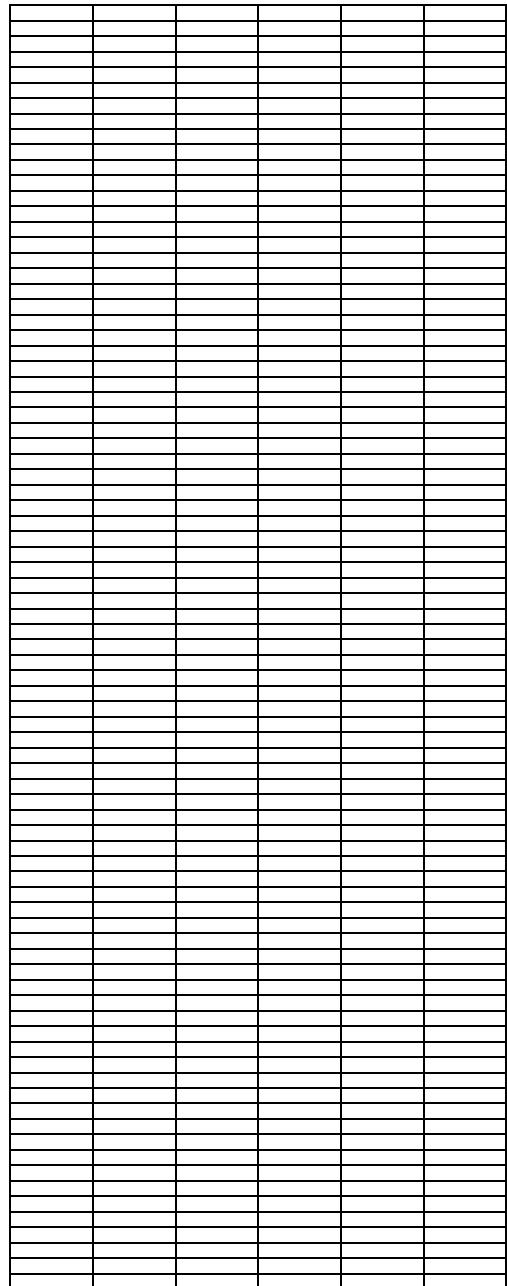
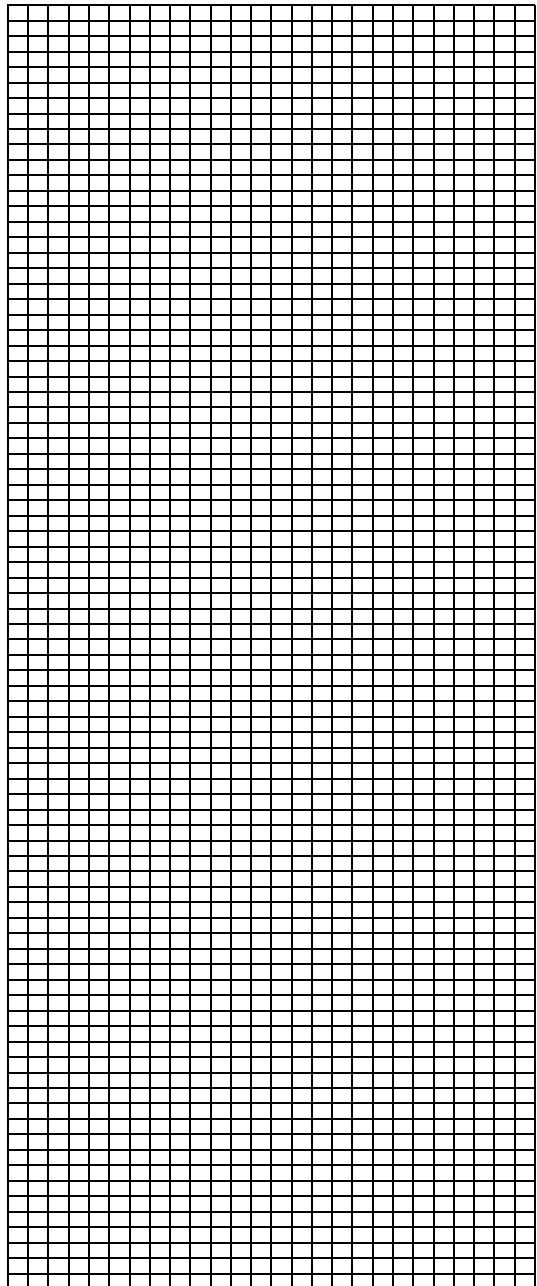












Results

You can interpret the means of the scales. The UEQ does not produce an overall score for the user experience (you need to use the KPI extension for this). Because of the construction of the questionnaire it does make no sense to built such an overall score (for example by calculating the mean over all scales), since this value can not be interpreted properly. The values for the single items are listed to allow you to detect outliers in the evaluations. If an item shows big deviations to the evaluations of the other items of the same scale this can be a hint that the item is misinterpreted (for example, because of a special context in your evaluation) by a higher number of participants.

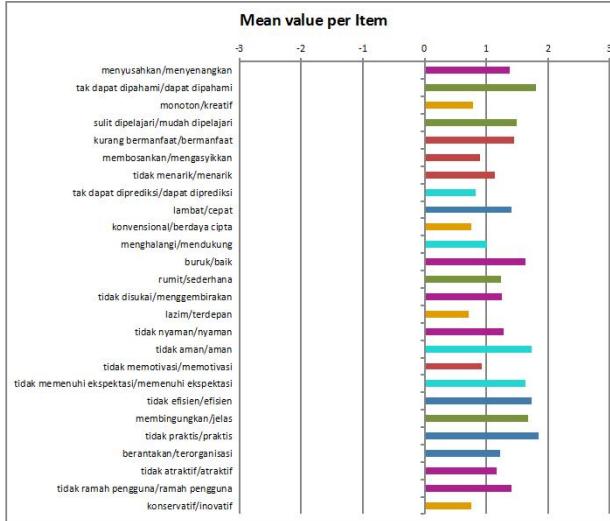
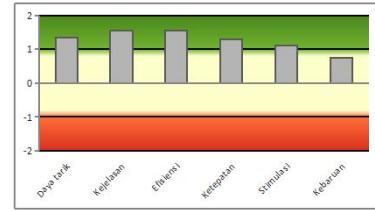
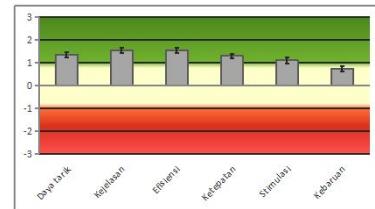
Values between -0,8and 0,8 represent a more or less *neutral evaluation* of the corresponding scale, values > 0,8 represent a *positive evaluation* and values < -0,8 represent a *negative evaluation*.

The range of the scales is between -3 (horribly bad) and +3 (extremely good). But in real applications, in general, only values in a restricted range will be observed. It is due to the calculation of means over a range of different persons with different opinions and answer tendencies (for example the avoidance of extreme answer categories) extremely unlikely to observe values above +2 or below -2.

Thus, even a quite good value of +1,5 for a scale looks from the purely visual standpoint on a scale range of -3 to +3 not as positive as it really is. For this reason this sheet contains two variants for the figure that depicts the scale means. Use the figure with the reduced scale -2 to +2 if you communicate the results to persons that have not much knowledge on the interpretation of this type of data and in situations where you don't want to explain in detail how building mean values and answer tendencies influence the observed data.

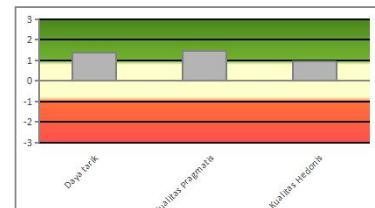
Item	Mean	Variance	Std. Dev.	No.	Left	Right	Scale
1	1,4	2,1	1,4	306	menyusahkan	menyenangkan	Daya tarik
2	1,8	1,8	1,3	306	tak dapat dipahami	dapat dipahami	Kejelasan
3	0,8	2,2	1,5	306	kreatif	monoton	Kebaruan
4	1,5	2,6	1,6	306	mudah dipelajari	sulit dipelajari	Kejelasan
5	1,5	2,2	1,5	306	bermanfaat	kurang bermanfaat	Stimulasi
6	0,9	1,8	1,3	306	mebosankan	mengasyikkan	Stimulasi
7	1,1	2,0	1,4	306	tidak menarik	menarik	Stimulasi
8	0,8	1,9	1,4	306	tak dapat diprediksi	dapat diprediksi	Ketepatan
9	1,4	1,5	1,2	306	cepat	lambat	Efisiensi
10	0,8	1,8	1,4	306	berdaya cipta	konvensional	Kebaruan
11	1,0	1,6	1,3	306	menghalangi	mendukung	Ketepatan
12	1,6	2,0	1,4	306	baik	buruk	Daya tarik
13	1,2	2,6	1,6	306	rumit	sederhana	Kejelasan
14	1,3	2,2	1,5	306	tidak disukai	menenggembirakan	Daya tarik
15	0,7	1,9	1,4	306	lazim	terdepan	Kebaruan
16	1,3	1,9	1,4	306	tidak nyaman	nyaman	Daya tarik
17	1,7	1,6	1,3	306	aman	tidak aman	Ketepatan
18	0,9	1,7	1,3	306	memotivasi	tidak memotivasi	Stimulasi
19	1,6	1,6	1,3	306	memenuhi ekspektasi	tidak memenuhi ekspektasi	Ketepatan
20	1,7	1,7	1,2	306	tidak efisien	efisien	Efisiensi
21	1,7	1,7	1,3	306	jelas	membingungkan	Kejelasan
22	1,8	1,4	1,2	306	tidak praktis	praktis	Efisiensi
23	1,2	2,4	1,6	306	terorganisasi	berantakan	Efisiensi
24	1,2	1,8	1,3	306	attraktif	tidak attraktif	Daya tarik
25	1,4	1,7	1,3	306	ramah pengguna	tidak ramah pengguna	Daya tarik
26	0,8	2,0	1,4	306	konservatif	inovatif	Kebaruan

UEQ Scales (Mean and Variance)		
Daya tarik	1,354	1,32
Kejelasan	1,551	1,27
Efisiensi	1,555	1,08
Ketepatan	1,304	0,72
Stimulasi	1,109	1,29
Kebaruan	0,754	1,07



Pragmatic and Hedonic Quality		
Daya tarik	1,35	
Kualitas Pragmatis	1,47	
Kualitas Hedonis	0,93	

The scales of the UEQ can be grouped into pragmatic quality (Perspicuity, Efficiency, Dependability) and hedonic quality (Stimulation, Originality). Pragmatic quality describes task related quality aspects, hedonic quality the non-task related quality aspects. Below the mean of the three pragmatic and hedonic quality aspects is calculated.





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Confidence intervals for items and scales

Here the 5% confidence intervals for the scale means and the means of the single items are shown. The confidence interval is a measure for the precision of the estimation of the scale mean. The smaller the confidence interval is, the higher is the precision of the estimation and the more you can trust your results. The width of the confidence interval depends on the number of available data and on how consistently the persons judged the evaluated product. The more consistent their opinion is the smaller is the confidence interval.

The work sheet *Sample_Size* helps you to decide how many data you would need to achieve a certain width of the confidence interval.

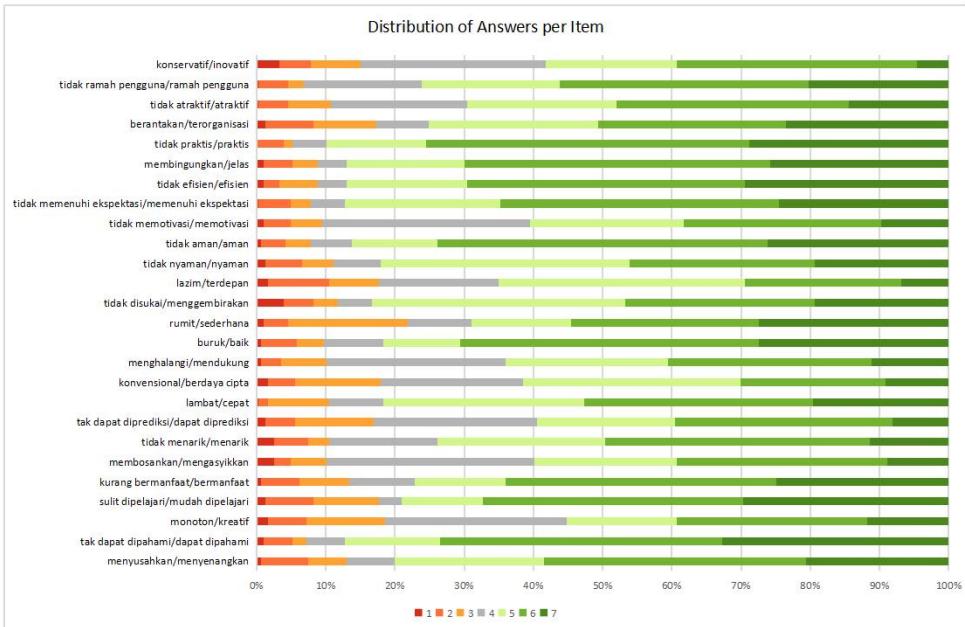
Confidence interval (p=0.05) per item					
Item	Mean	Std. Dev.	N	Confidence	Confidence interval
1	1,379	1,442	306	0,162	1,218 - 1,541
2	1,801	1,324	306	0,148	1,652 - 1,949
3	0,788	1,479	306	0,166	0,622 - 0,953
4	1,490	1,604	306	0,180	1,311 - 1,670
5	1,458	1,473	306	0,165	1,292 - 1,623
6	0,902	1,337	306	0,150	0,752 - 1,052
7	1,144	1,400	306	0,157	0,987 - 1,301
8	0,833	1,380	306	0,155	0,679 - 0,988
9	1,415	1,244	306	0,139	1,276 - 1,554
10	0,755	1,356	306	0,152	0,603 - 0,907
11	1,013	1,278	306	0,143	0,870 - 1,156
12	1,634	1,397	306	0,156	1,477 - 1,790
13	1,235	1,608	306	0,180	1,055 - 1,416
14	1,255	1,480	306	0,166	1,089 - 1,421
15	0,716	1,394	306	0,156	0,560 - 0,872
16	1,284	1,377	306	0,154	1,130 - 1,439
17	1,735	1,272	306	0,143	1,593 - 1,878
18	0,931	1,293	306	0,145	0,787 - 1,076
19	1,634	1,271	306	0,142	1,492 - 1,776
20	1,729	1,296	306	0,145	1,584 - 1,874
21	1,676	1,322	306	0,148	1,528 - 1,825
22	1,850	1,164	306	0,130	1,719 - 1,980
23	1,225	1,561	306	0,175	1,051 - 1,400
24	1,163	1,330	306	0,149	1,014 - 1,312
25	1,408	1,306	306	0,146	1,262 - 1,555
26	0,758	1,403	306	0,157	0,601 - 0,915

Confidence intervals (p=0.05) per scale					
Scale	Mean	Std. Dev.	N	Confidence	Confidence interval
Daya tarik	1,354	1,150	306	0,129	1,225 - 1,483
Kejelasan	1,551	1,129	306	0,126	1,424 - 1,677
Efisiensi	1,555	1,038	306	0,116	1,438 - 1,671
Ketepatan	1,304	0,846	306	0,095	1,209 - 1,399
Stimulasi	1,109	1,137	306	0,127	0,981 - 1,236
Kebaruan	0,754	1,035	306	0,116	0,638 - 0,870

Distribution of Answers per Item

Here you can see the distribution of answers to the single items. If there are items that show a polarization in the answers (many negative and many positive judgements and not much neutral judgements) may help to get deeper insights concerning aspects of the product that are experienced as quite positive by one subgroup of participants and quite negative by another subgroup.

Nr	Item	1	2	3	4	5	6	7	Scale
1	menyusahkan/menyenangkan	2	21	17	21	66	116	63	Daya tarik
2	tak dapat dipahami/dapat dipahami	3	13	6	17	42	125	100	Kejelasan
3	monoton/kreatif	5	17	35	80	49	84	36	Kebaruan
4	sulit dipelajari/mudah dipelajari	4	21	29	10	36	115	91	Kejelasan
5	kurang bermanfaat/bermanfaat	2	17	22	29	40	120	76	Stimulasi
6	membosankan/mengasyikkan	8	7	16	92	63	93	27	Stimulasi
7	tidak menarik/menarik	8	15	9	48	74	117	35	Stimulasi
8	tak dapat diprediksi/dapat diprediksi	4	13	35	72	61	96	25	Ketepatan
9	lambat/cepat	1	4	27	24	89	101	60	Efisiensi
10	konvensional/berdaya cipta	5	12	38	63	96	64	28	Kebaruan
11	menghalangi/mendukung	2	9	20	79	72	90	34	Ketepatan
12	buruk/baik	2	16	12	26	34	132	84	Daya tarik
13	rumit/sederhana	3	11	53	28	44	83	84	Kejelasan
14	tidak disukai/menggembirakan	12	13	11	15	112	84	59	Daya tarik
15	lazim/terdepan	5	27	22	53	109	69	21	Kebaruan
16	tidak nyaman/nyaman	4	16	14	21	110	82	59	Daya tarik
17	tidak aman/aman	2	11	11	18	38	146	80	Ketepatan
18	tidak memotivasi/memotivasi	3	12	14	92	68	87	30	Stimulasi
19	tidak memenuhi ekspektasi/memenuhi ekspektasi	1	14	9	15	69	123	75	Ketepatan
20	tidak efisien/efisien	3	7	17	13	53	123	90	Efisiensi
21	membingungkan/jelas	3	13	11	13	52	135	79	Kejelasan
22	tidak praktis/praktis	0	12	4	15	44	143	88	Efisiensi
23	berantakan/terorganisasi	4	21	28	23	75	83	72	Efisiensi
24	tidak atraktif/atraktif	1	13	19	60	66	103	44	Daya tarik
25	tidak ramah pengguna/ramah pengguna	1	13	7	52	61	110	62	Daya tarik
26	konservatif/inovatif	10	14	22	82	58	106	14	Kebaruan



Correlations of the items per scale and reliability coefficients

Items that belong to the same scale should show in general a high correlation.

Here you can find the correlations of the items in a scale and some common coefficients, Cronbachs Alpha and Guttman's Lambda2, that are typically used to estimate reliability of a scale.

Cronbachs Alpha-Coefficient

The Alpha-Coefficient (Cronbach, 1951) is a measure for the consistency of a scale. There is no generally accepted rule how big the value of the coefficient should be. Many authors assume that a scale should show an alpha value > 0.7 to be considered as sufficiently consistent, but these suggestions are more rules-of-thumb and not based on some statistical facts. Thus, from an methodological standpoint such a use of a cut-off criterium is not really well-founded (see for example Schmitt, N., 1996). Especially if you have only a small sample (for example less than 50 answers) the value of the Alpha-Coefficient should be interpreted very carefully. In such cases a low Alpha can result from sampling errors and may not be an indicator for a problem with the scale.

If the value of the Alpha-Coefficient for a scale shows a massive deviation from a reasonable target value, for example 0.6 or 0.7, this can be a hint that some items of the scale are in the given context interpreted by several participants in an unexpected way. In such cases please check the single item scores and correlations between the items. This can give a hint if there is maybe a common misinterpretation of an item due to the context of the evaluation. In such cases the corresponding scale should be interpreted very carefully. The 5% confidence interval for the Alpha coefficient is calculated accordingly to Bonett, D.B. (2002), Sample Size Requirements for Testing and Estimating Coefficient Alpha, *Journal of Educational and Behavioral Statistics*, 27(4), 335-340.

Guttman's Lambda2 coefficient

Another coefficient often reported as a measure of reliability of a scale is Guttman's Lambda2 coefficient. Lambda2 is a better approximation of reliability than Cronbach's Alpha (both are a lower bound for the real reliability of a scale). The coefficient Lambda1 also computed here is mainly needed for computing Lambda2.

NOTE: Theoretically, Lambda2 is higher than Alpha, but due to some rounding errors in the computation, it can happen that the Excel-Sheet shows some violations of this!

Benchmark

The measured scale means are set in relation to existing values from a benchmark data set. This data set contains data from 21175 persons from 468 studies concerning different products (business software, web pages, web shops, social networks).

The comparison of the results for the evaluated product with the data in the benchmark allows conclusions about the relative quality of the evaluated product compared to other products.

Please help to increase the data basis for the benchmark! If you use the UEQ to evaluate products it would be quite helpful for us if you will share information concerning the type of product, the number of participants in your study and the scale means. We will of course handle these information absolutely confidential and will use it solely to improve the benchmark.

Scale	Mean	Comparisson to benchmark	Interpretation
Daya tarik	1,35	Above average	25% of results better, 50% of results worse
Kejelasan	1,55	Above Average	25% of results better, 50% of results worse
Efisiensi	1,55	Good	10% of results better, 75% of results worse
Ketepatan	1,30	Above Average	25% of results better, 50% of results worse
Stimulasi	1,11	Above Average	25% of results better, 50% of results worse
Kebaruan	0,75	Above Average	25% of results better, 50% of results worse

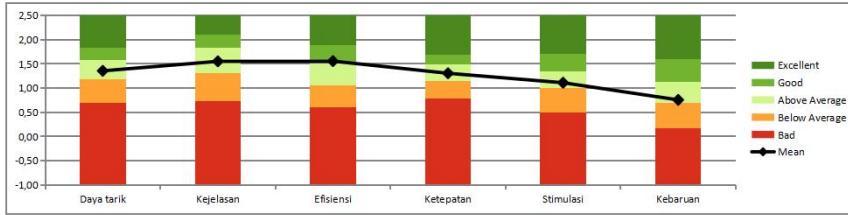


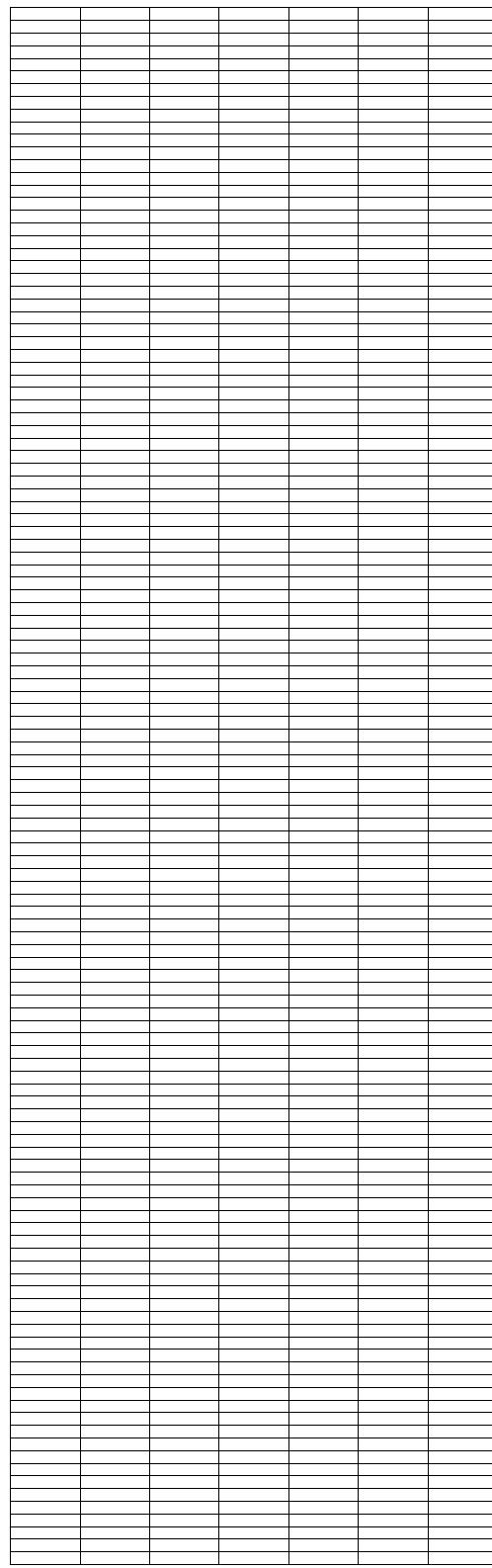
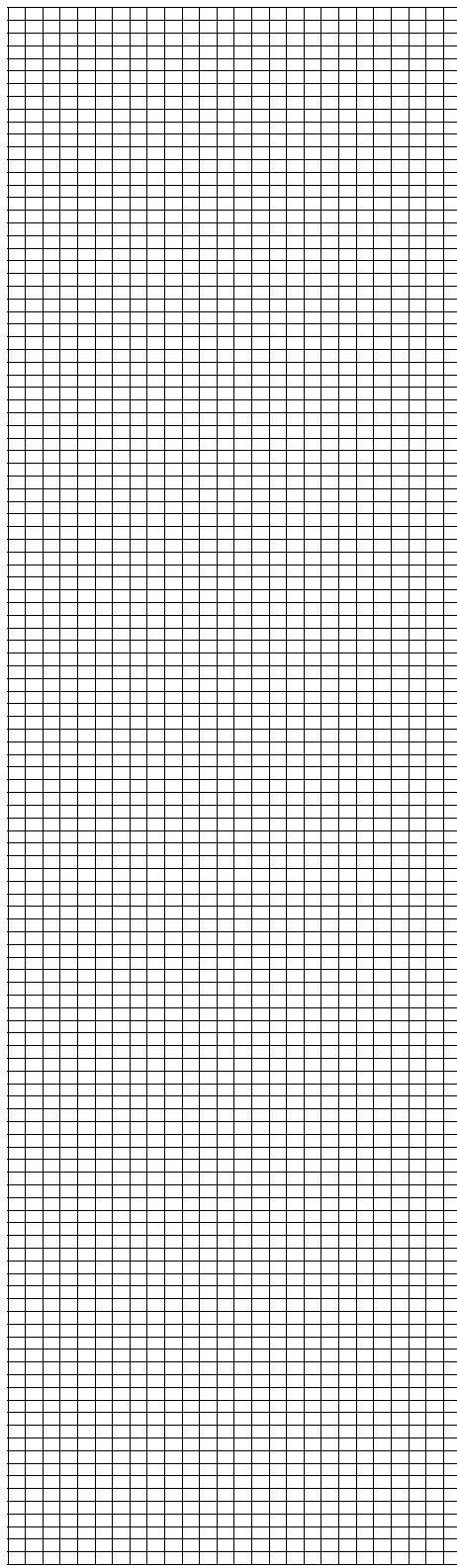
Table to create the benchmark graph (purely technical, please ignore)

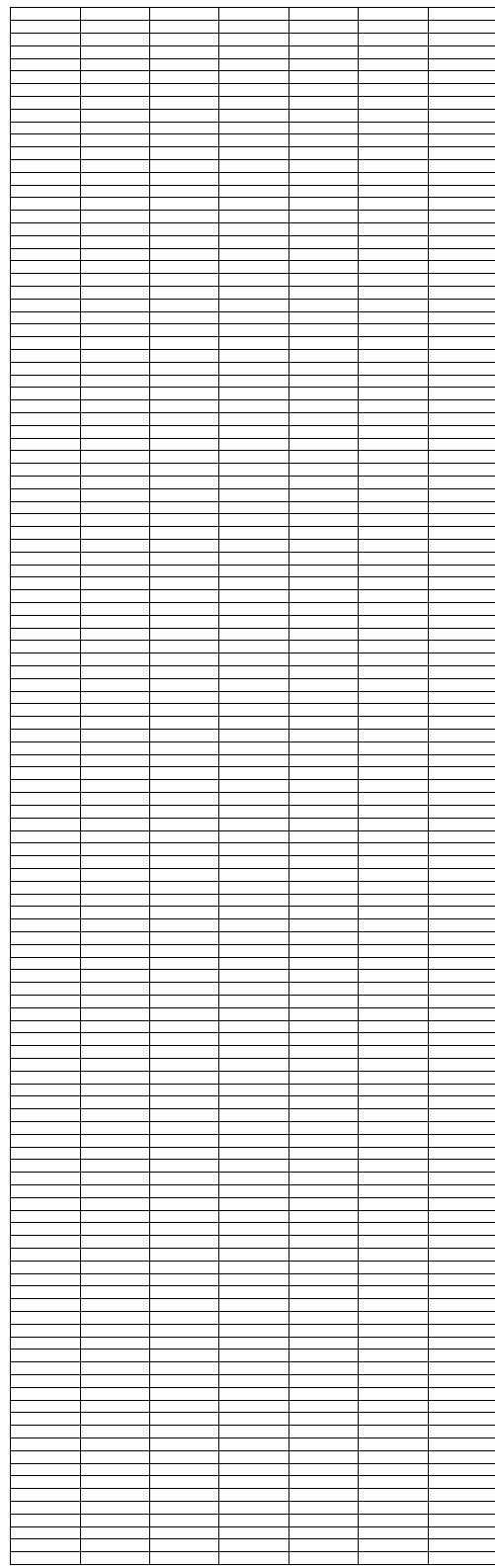
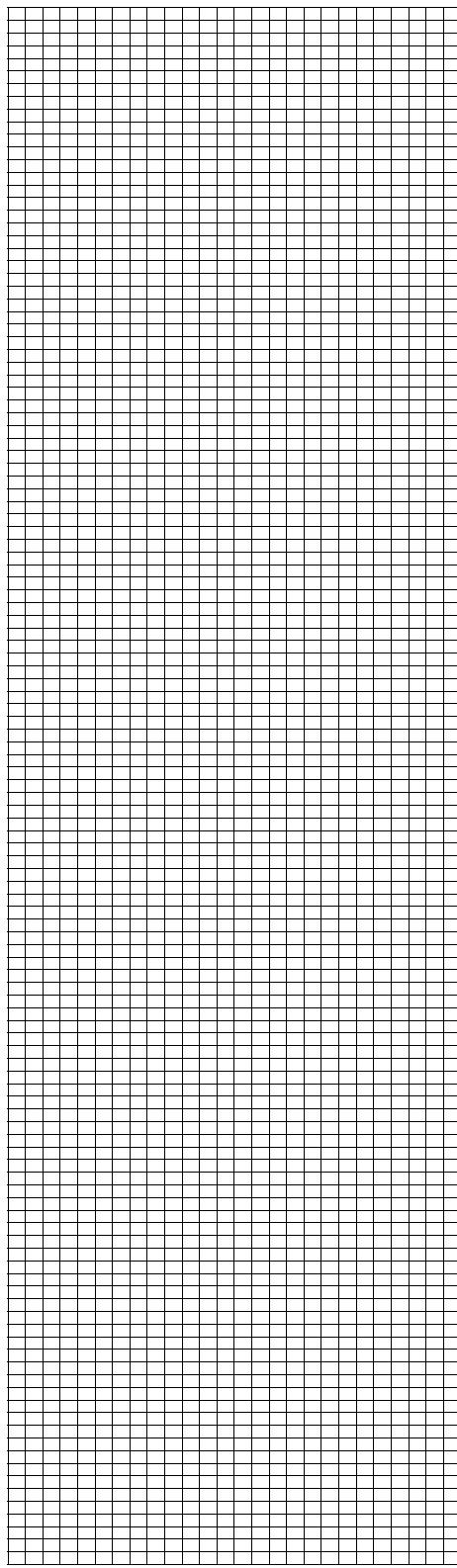
Scale	Lower Border	Bad	Below Average	Above Average	Good	Excellent	Mean
Daya tarik	-1,00	0,69	0,49	0,4	0,26	0,66	1,35
Kejelasan	-1,00	0,72	0,58	0,53	0,27	0,5	1,55
Efisiensi	-1,00	0,6	0,45	0,45	0,38	0,62	1,55
Ketepatan	-1,00	0,78	0,36	0,34	0,21	0,81	1,30
Stimulasi	-1,00	0,5	0,5	0,35	0,35	0,8	1,11
Kebaruan	-1,00	0,16	0,54	0,42	0,48	0,9	0,75

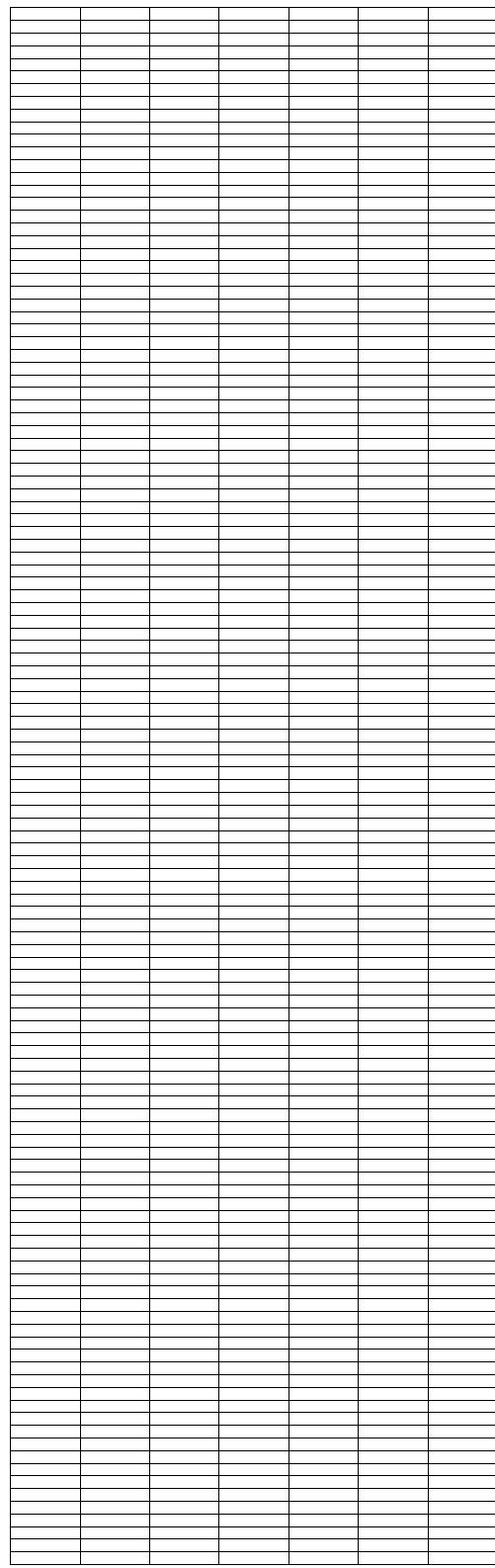
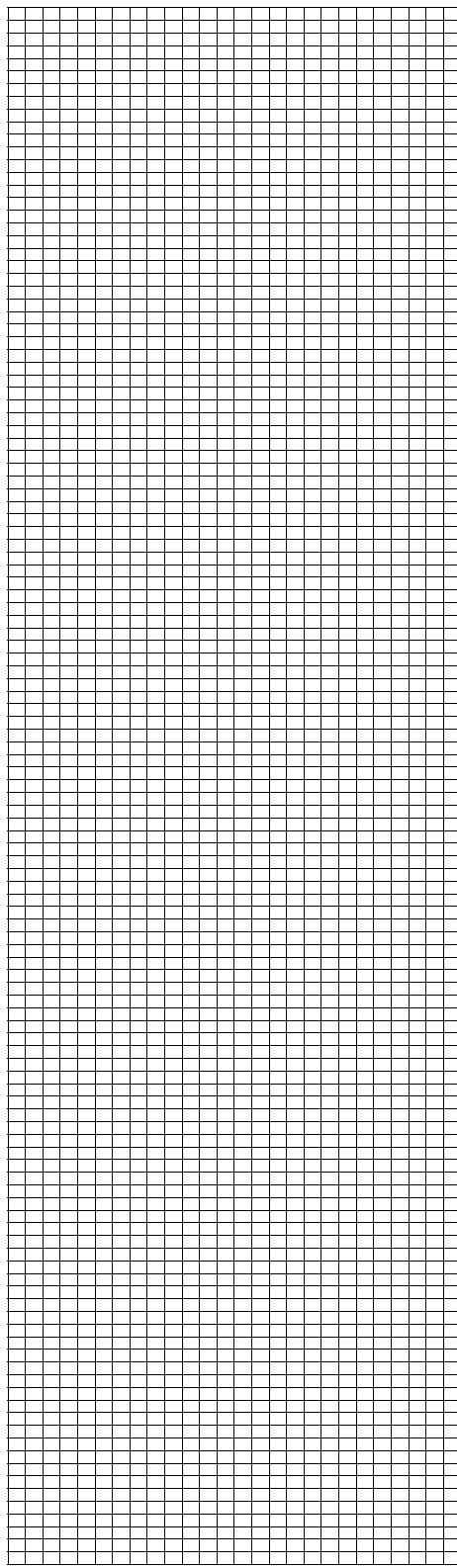
Detect Suspicious Data

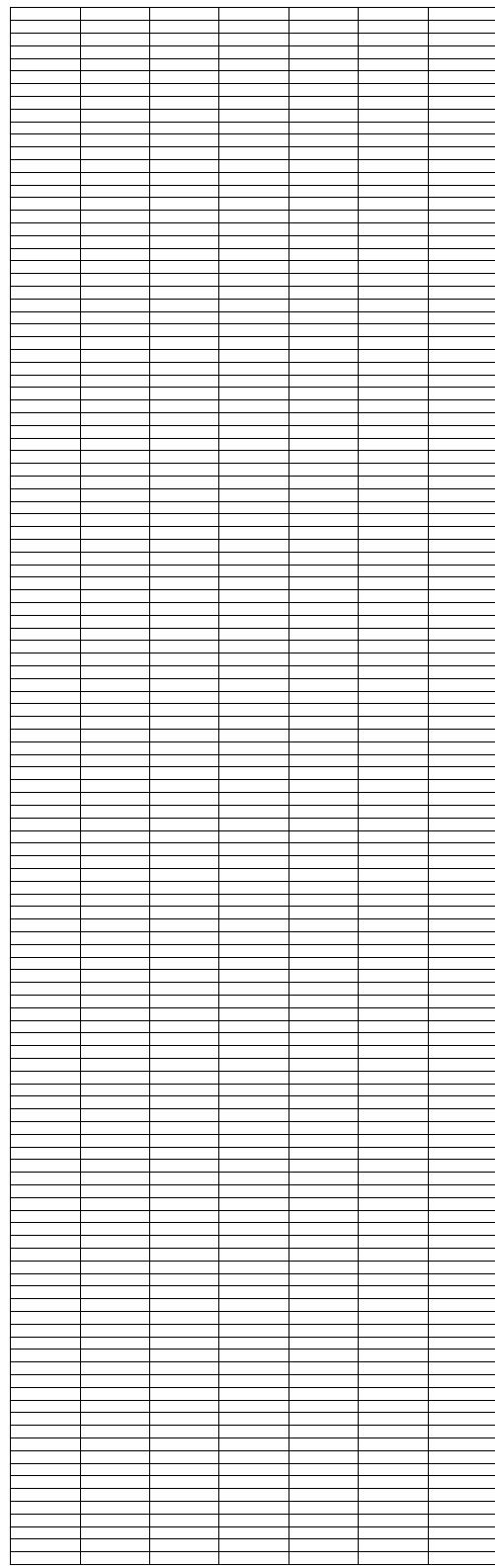
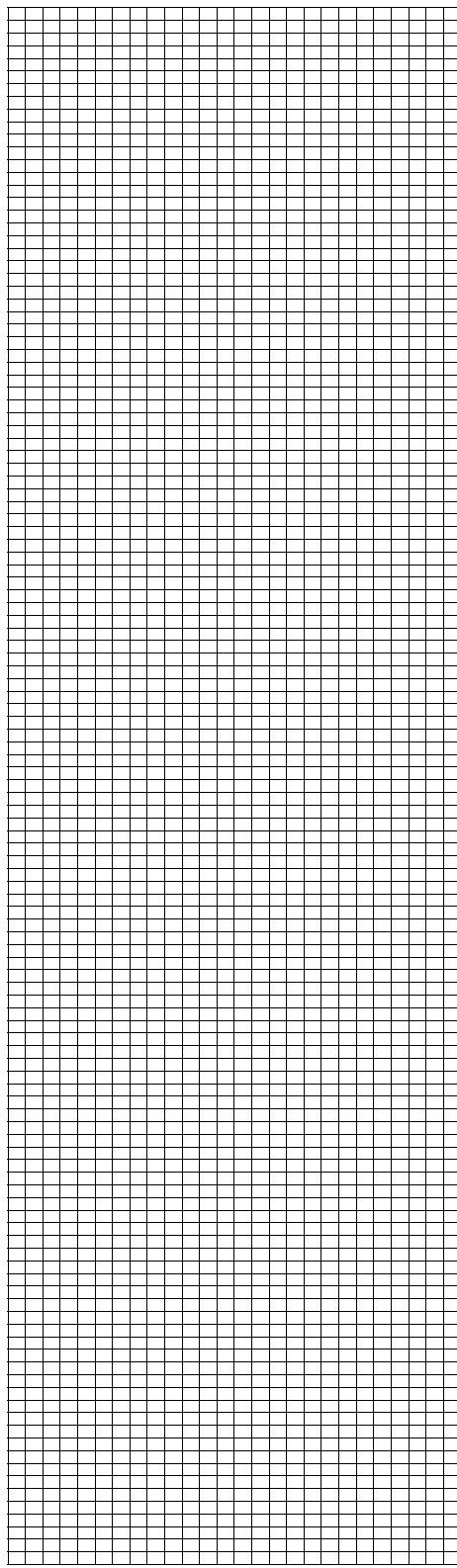
Especially if the UEQ is applied as an Online-Questionnaire not all participants will answer all items seriously. To detect such more or less random or not serious answers, a simple heuristic is used. All items in a scale should measure a similar UX quality aspect. The idea to detect random or not serious answers is to check how much the best and worst evaluation of an item in a scale differs. If there is a big difference (>3) this is seen as an indicator for a problematic data pattern. Of course such situations can also result from random response errors or a misunderstanding of an item. Thus, it makes no sense to consider a response as random response error if this occurs just for a single scale. But if this is true for 2 or 3 scales this is of course a clear hint that the response is somehow suspicious.

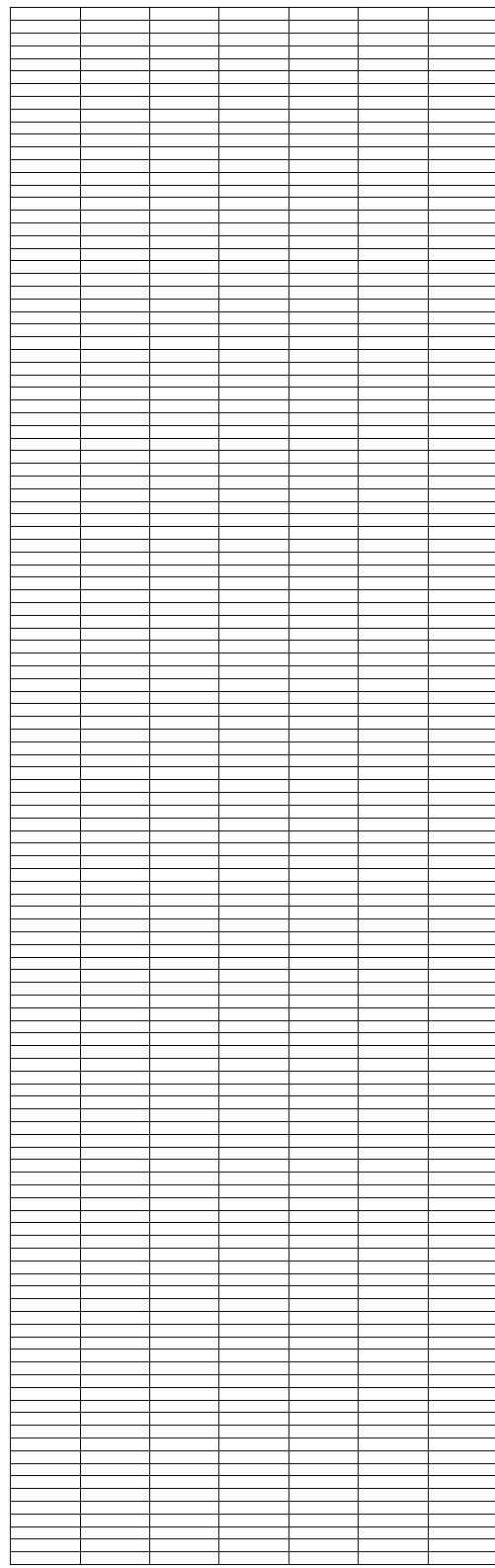
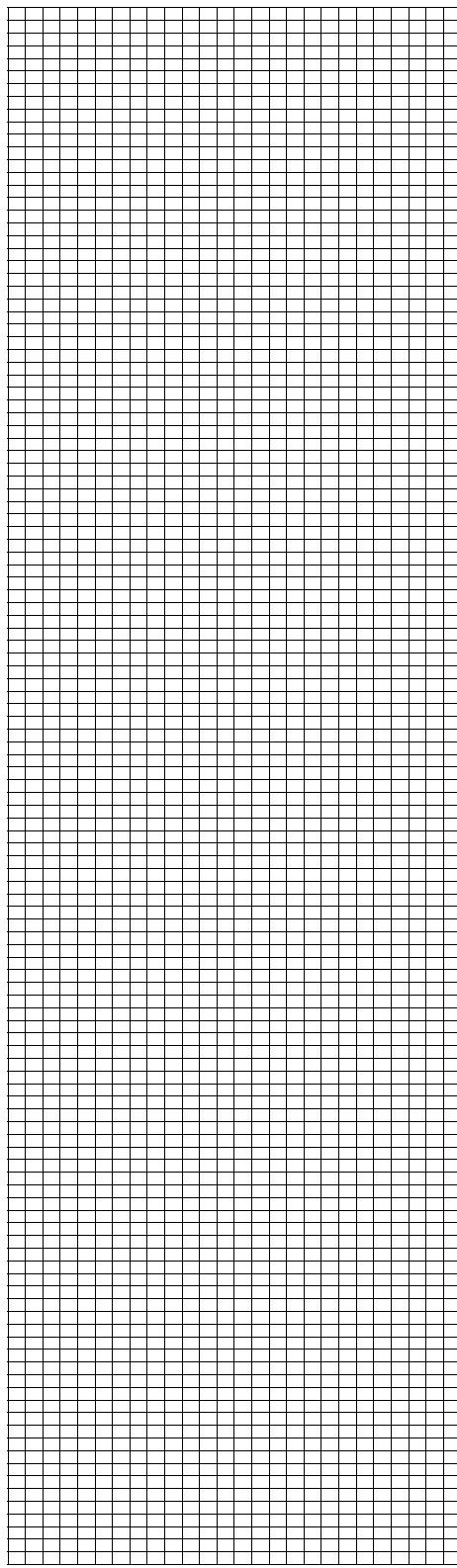
The table below shows the responses coded from -3 to 3. The table next to it shows for each scale if there is a difference >3 between the best and worst item. The Critical? column shows for how many scales this is the case. We suggest to remove answers from the data set that shows a value of 3 or higher in the Critical? column.

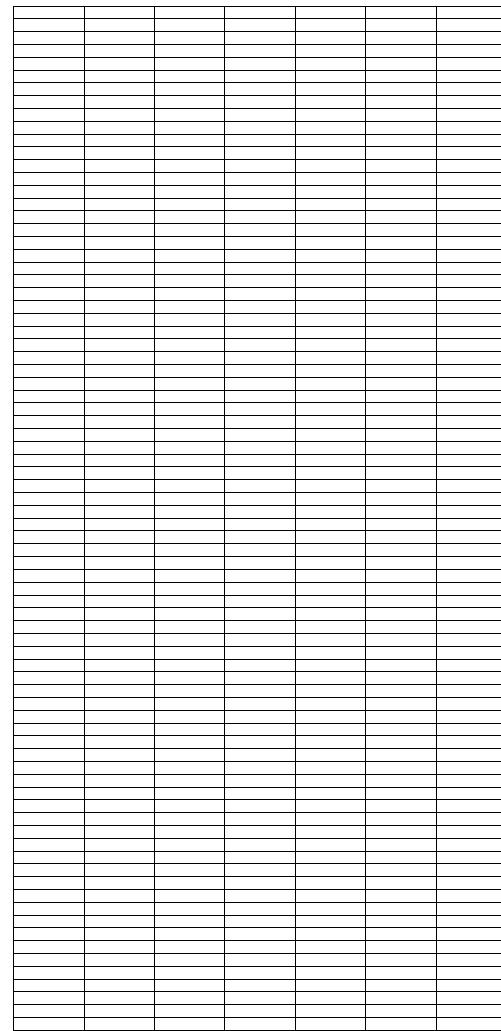
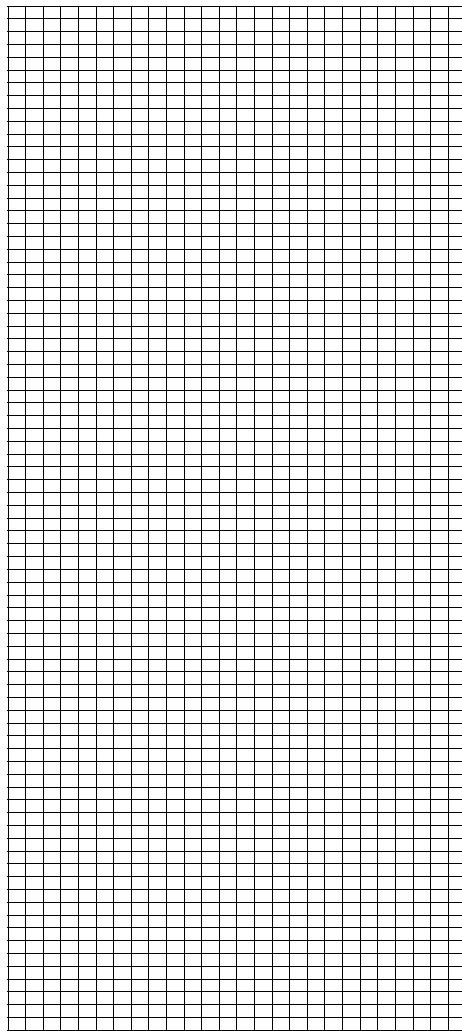












Sample size to reach a certain precision concerning the estimated scale means

If you have not many data points the error bars for the scale means in the Results Tab can be quite big. The error bars show the area (confidence interval) in which the true value of the scale mean should be located with a 95% probability. Thus, big error bars stand for a not very precise measurement.

A natural question is thus to ask, how many person you need (i.e. how big your sample should be) if you want to measure the scale means with a certain precision. This tab tries to answer this question.

For a given precision E (deviation between true scale mean in the population and the estimated scale mean from the sample) the required sample size depends on the standard deviation of the scale value in the population (the smaller this is the higher is the agreement between different persons and thus the less persons you need to ask) and the chance (error probability) P you still accept that the true scale mean is outside the area described by the error bars (i.e. it will be with a probability 1-P inside the confidence interval).

Of course the standard deviation of the scale value in the population is not known. For the data in this tab we estimate this value from the standard deviation of the already entered data. Thus, if you enter more data the estimation of this value and thus the values in the table below will change!!

The following table shows for typical values of E and P the required sample size. Please note that these are just rough estimations to give you an idea on how many data you need to achieve an accurate measurement!

Scale	Standard Deviation
Daya tarik	1,15
Kejelasan	1,13
Efisiensi	1,04
Ketepatan	0,85
Stimulasi	1,14
Kebaruan	1,03

Condition	Daya tarik	Kejelasan	Efisiensi	Ketepatan	Stimulasi	Kebaruan
Precision=0.5, Err.Prob.=0.1	14	14	12	8	14	12
Precision=0.5, Err.Prob.=0.05	20	20	17	11	20	16
Precision=0.5, Err.Prob.=0.01	35	34	29	19	34	29
Precision=0.25, Err.Prob.=0.1	58	56	47	31	56	47
Precision=0.25, Err.Prob.=0.05	81	78	66	44	79	66
Precision=0.25, Err.Prob.=0.01	141	136	115	76	138	114
Precision=0.1, Err.Prob.=0.1	360	347	293	195	352	291
Precision=0.1, Err.Prob.=0.05	508	490	414	275	496	411
Precision=0.1, Err.Prob.=0.01	881	848	718	476	860	713

KPI Calculation

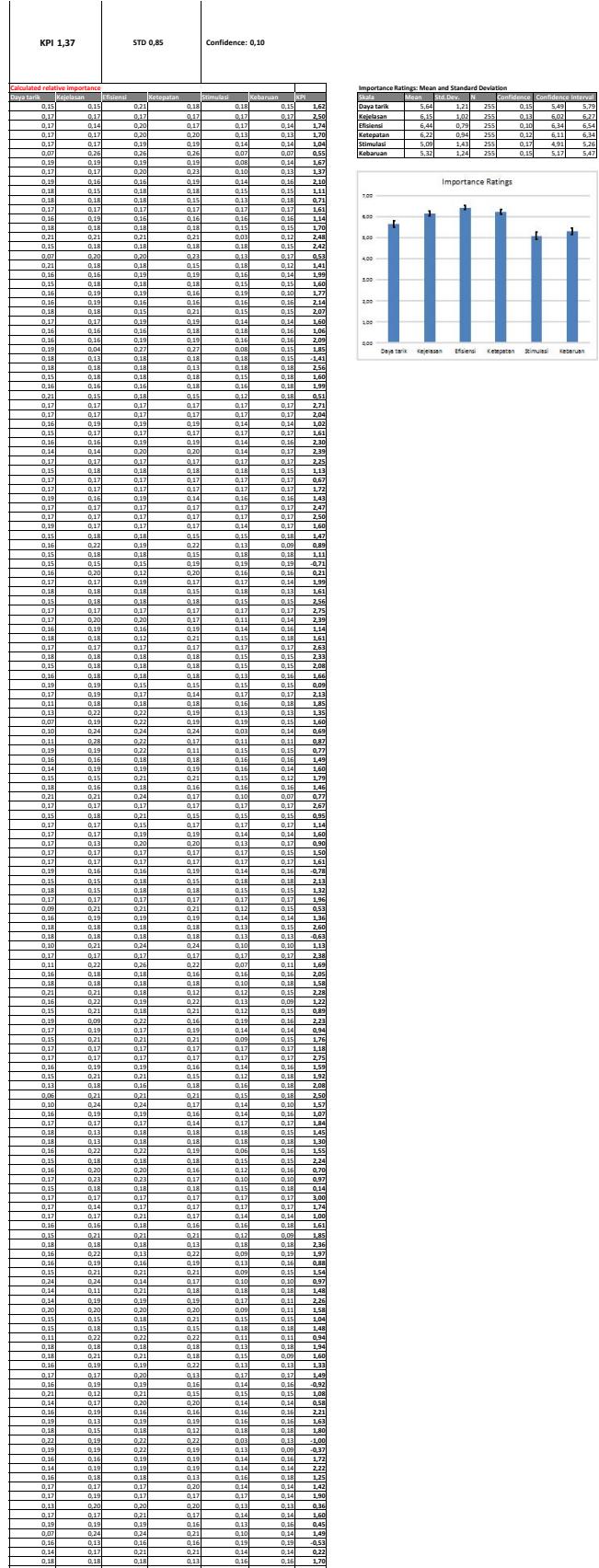
KPI CALCULATION

This tab is only relevant if you use the KPI extension of the UEQ! This extended UEQ contains 6 additional questions, which ask for the importance of the UEQ scales for the participant. With this information a KPI can be calculated, i.e. a single number that can be interpreted as overall UX impression.

The questions concerning importance are scaled from 1 to 7. In case of missing values, i.e. if a person has not given an importance rating for a scale, please enter the value "1".

person has not given an importance rating for a scale, please enter the value "1".

Enter the data concerning the importance of the scales below						
Days back	Mujahidin	Ustaz	Rohispatan	Stimulus	Kebiasaan	SEM
1	2	2	2	2	2	2
2	6	7	6	6	5	3 ^a
3	5	6	5	5	4	3 ^a
4	5	6	5	5	4	3 ^a
5	6	5	5	5	3	3 ^a
6	5	5	5	5	4	3 ^a
7	6	7	7	7	2	2 ^a
8	7	7	7	7	3	3 ^a
9	2	2	2	2	3	3 ^a
10	7	7	7	7	5	3 ^a
11	6	6	6	6	5	3 ^a
12	6	6	6	6	5	3 ^a
13	6	6	6	6	5	3 ^a
14	6	6	6	6	4	3 ^a
15	6	6	6	6	4	3 ^a
16	6	6	6	6	3	3 ^a
17	6	6	6	6	3	3 ^a
18	6	6	6	6	3	3 ^a
19	6	6	6	6	3	3 ^a
20	6	6	6	6	3	3 ^a
21	6	6	6	6	3	3 ^a
22	6	6	6	6	3	3 ^a
23	6	6	6	6	3	3 ^a
24	6	6	6	6	3	3 ^a
25	6	6	6	6	3	3 ^a
26	6	6	6	6	3	3 ^a
27	6	6	6	6	3	3 ^a
28	6	6	6	6	3	3 ^a
29	6	6	6	6	3	3 ^a
30	6	6	6	6	3	3 ^a
31	6	6	6	6	3	3 ^a
32	6	6	6	6	3	3 ^a
33	6	6	6	6	3	3 ^a
34	6	6	6	6	3	3 ^a
35	6	6	6	6	3	3 ^a
36	6	6	6	6	3	3 ^a
37	6	6	6	6	3	3 ^a
38	6	6	6	6	3	3 ^a
39	6	6	6	6	3	3 ^a
40	6	6	6	6	3	3 ^a
41	6	6	6	6	3	3 ^a
42	6	6	6	6	3	3 ^a
43	6	6	6	6	3	3 ^a
44	6	6	6	6	3	3 ^a
45	6	6	6	6	3	3 ^a
46	6	6	6	6	3	3 ^a
47	6	6	6	6	3	3 ^a
48	6	6	6	6	3	3 ^a
49	6	6	6	6	3	3 ^a
50	6	6	6	6	3	3 ^a
51	6	6	6	6	3	3 ^a
52	6	6	6	6	3	3 ^a
53	6	6	6	6	3	3 ^a
54	6	6	6	6	3	3 ^a
55	6	6	6	6	3	3 ^a
56	6	6	6	6	3	3 ^a
57	6	6	6	6	3	3 ^a
58	6	6	6	6	3	3 ^a
59	6	6	6	6	3	3 ^a
60	6	6	6	6	3	3 ^a
61	6	6	6	6	3	3 ^a
62	6	6	6	6	3	3 ^a
63	6	6	6	6	3	3 ^a
64	6	6	6	6	3	3 ^a
65	6	6	6	6	3	3 ^a
66	6	6	6	6	3	3 ^a
67	6	6	6	6	3	3 ^a
68	6	6	6	6	3	3 ^a
69	6	6	6	6	3	3 ^a
70	6	6	6	6	3	3 ^a
71	6	6	6	6	3	3 ^a
72	6	6	6	6	3	3 ^a
73	6	6	6	6	3	3 ^a
74	6	6	6	6	3	3 ^a
75	6	6	6	6	3	3 ^a
76	6	6	6	6	3	3 ^a
77	6	6	6	6	3	3 ^a
78	6	6	6	6	3	3 ^a
79	6	6	6	6	3	3 ^a
80	6	6	6	6	3	3 ^a
81	6	6	6	6	3	3 ^a
82	6	6	6	6	3	3 ^a
83	6	6	6	6	3	3 ^a
84	6	6	6	6	3	3 ^a
85	6	6	6	6	3	3 ^a
86	6	6	6	6	3	3 ^a
87	6	6	6	6	3	3 ^a
88	6	6	6	6	3	3 ^a
89	6	6	6	6	3	3 ^a
90	6	6	6	6	3	3 ^a
91	6	6	6	6	3	3 ^a
92	6	6	6	6	3	3 ^a
93	6	6	6	6	3	3 ^a
94	6	6	6	6	3	3 ^a
95	6	6	6	6	3	3 ^a
96	6	6	6	6	3	3 ^a
97	6	6	6	6	3	3 ^a
98	6	6	6	6	3	3 ^a
99	6	6	6	6	3	3 ^a
100	6	6	6	6	3	3 ^a



Language	L1	R1	L2	R2
German	unerfreulich	erfreulich	unverständlich	verständlich
English	annoying	enjoyable	not understandable	understandable
Spanish	desagradable	agradable	no entendible	entendible
Portuguese	Desagradável	Agradável	Incompreensível	Compreensível
Turkish	can sıkıcı	sevindirici	anlaşılmaz	anlaşılır
French	Agaçant	Agréable	Incompréhensible	Compréhensible
Italian	inresioso	gradito	incomprensibile	comprendibile
Russian	неприятный	доставляет удовольствие	непонятный	понятный
Chinese	令人不快的	令人愉快的	费解的	易懂的
Japanese	楽しくない	楽しい	わかりにくく	わかりやすい
Indonesian	menyusahkan	menyenangkan	tak dapat dipahami	dapat dipahami
Dutch	onplezierig	plezierig	onbegrijpelijk	begrijpelijk
Estonian	vastumeelne	rõõmupakkuv	arusaamatu	arusaadav
Slovene	nerazveseljiv	razveseljiv	nerazumljiv	razumljiv
Swedish	Irriterande	Njutbar	Obegriplig	Begriplig
Greek	ενοχλητικό	απολαυστικό	δυσνόητο	κατανοητό
Polish	irytujący	przyjemny	niezrozumiały	zrozumiały
Hindi	कष्टप्रद	मनोरंजक	समझ में आता है	समझ में नहीं आता है
Bulgarian	дразнещ	приятен	неразбираем	разбираем
Czech	otravný	příjemný	nepochopitelný	pochopitelný
Malay	menjengkelkan	menyeronokkan	sukar difahami	mudah difahami
Persian	آزاردهنده	رضایت بخش	غیرقابل فهم	قابل فهم
Thai	น่ารำคาญ	นำสูก	เข้าใจยาก	เข้าใจง่าย
Danish	kedeligt	fornøjeligt	uforståelige	forståelige
Norwegian	kjedelig	fornøyelig	uforståelig	forståelig
Finnish	ärsyttäävä	nautittava	vaikeasti ymmärretti	helposti ymmärretti
Hungarian	idegesítő	élvezetes	érthetetlen	érhető
Croatian	dosadan	zanimljiv	nerazumljivi	razumljivi
Bosnian	dosadan	zabavan	nerazumljivi	razumljivi
Hebrew	מצוות	נהנה	סינכום מכוון	סינכום
Arabic	مزعج	مزعج	غير مفهوم	مفهوم
Bengali	বিরক্তিকর	উপভোগ্য	বোধগম্যনয়	বোধগম্য
Kannada	ಉರುಕ್ಕಿರಿ	ಕಿರಿಕಿರಿ	ಅಧ್ಯಾತ್ಮಾಗದ	ಅಧ್ಯಾತ್ಮಾಗದ
Marathi	त्रासदायक	आनंदायक	समजूशकत नाही	समजण्यासारखा
Tamil	எரிச்சலுடைய	இன்பம்	புரிந்து கொள்ளப்படுகிறது	
Slovak	obťažujúci	pútavý	nepochopiteľný	pochopiteľný

L3	R3	L4	R4	L5
kreativ	phantasielos	leicht zu lernen	schwer zu lernen	wertvoll
creative	dull	easy to learn	difficult to learn	valuable
creativo	sin imaginacion	facil de aprender	dificil de aprender	valioso
Criativo	Sem criatividade	De Fácil aprendizag	De difícil aprendiza	Valioso
yaratıcı	yaratıcı olmayan	kolay öğrenilir	öğrenmesi zor	değerli
Moderne	Sans fantaisie	Appropriation simp	Appropriation com	Apporte de la valeu
creativo	privô di fantasia	facile da capire	difficile da capire	di grande valore
креативный	неизобретательны	легко освоить	трудно освоить	создает новые цен
富创造力的	平淡无奇的	容易学会的	难学会的	高品质的
創造的	創造的でない	覚えやすい	覚えにくい	価値がある
kreatif	monoton	mudah dipelajari	sulit dipelajari	bermanfaat
creatief	saai	makkelijk te leren	moeilijk te leren	waardevol
loominguline	tavaline	kerge kasutama õp	raske kasutama õpj	väärtuslik
kreativen	brez fantazije	enostaven za učenj	težak za učenje	osvežilen
Kreativ	Tråkig	Lätt att lära sig	Svår att lära sig	Värdefull
δημιουργικό	αναποτελεσματικό	εύκολο στη μάθησιδύσκολο	στη μάθηπολύτιμο	
kreatywny	nudny	łatwy do nauki	trudny do nauki	wartościowy
ରୂପାବଳ୍ମୀକ୍ରମ	ସୁର୍ଦ୍ଧା	ଜାନନେ କେଣେ ମୁଖେକେ	ଜାନନେ କେଣେ ଆସାନ୍ମୂଲ୍ୟବାନ	
творчески	скучен	лесен за научаван	труден за научава	стойностен
tvůrčí	nezáživný	jednoduchý na nau	obtížný na nau	hodnotný
ada kreativiti	tidak bersifat kreat	mudah dipelajari	sukar dipelajari	bermutu
سازنده/ خلاق	بیهوده	يادگیری آسان	يادگیری سخت	ارزشمند
ສ້າງສරច	ຮາບເຮືອນ	ເຮືອນຮັ້ງຍາຍ	ເຮືອນຮັ້ງຍາກ	ມືຄົມຄ່າ
kreativ	kedelig	nemme at lære	svære at lære	værdifulde
kreativ	kjedelig	lett å lære	vansklig å lære	verdifullt
luova	tylsä	helposti opittavaa	vaikeasti opittavaa	arvokasta
kreatív	egyhangú	könnyen elsajátíth	nehezen elsajátíth	értékes
kreativna	glupa	laki za naučiti	složeni za naučiti	vrijedni
kreativni	dosadni	laki za učenje	teški za učenje	vredni
ମିଯିତାର୍ଯ୍ୟ	ମିମମୁଶମ	ହାଦିମଲ ମିଳନ	ହାଦିମଲ ମିଶନ	ରାହୁ ବର
ابداعیة	مبتدلة	صعب التعلم	سهل التعلم	قيّم
সৃষ্টিশোল	নিষ্পত্তি	শেখাসহজ	শেখাকাঠন	মূল্যবান
ଚିନ୍ମୂଳୀତୀଲତ୍	ଚିନ୍ମୂଳୀତୀଲତ୍	କଲୀଯଲୁସୁଲଭ	କଲୀଯଲୁସୁଲଭ	ଚଲେବାଲୁପ
সର୍ଜନଶିଲ	ନୀରସ	ଶିକଣେ ସୋପେ	ଶିକଣେ କଠିଣ	ମୂଲ୍ୟବାନ
ஆକ୍ଷକପ୍ପ ପୂର୍ବମମନ୍ତମାନ	tuctový	ପାତିପ୍ପତରଙ୍କୁ	କାଟିମତିପ୍ପକୁ	ମିକକ
nápaditý		intuitívny	neintuitívny	hodnotný

R5	L6	R6	L7	R7
minderwertig	langweilig	spannend	uninteressant	interessant
inferior	boring	exciting	not interesting	interesting
de poco valor	aburrido	emocionante	no interesante	interesante
Sem valor	Aborrecido	Excitante	Desinteressante	Interessante
adi	síkıcı	heyecan verici	ilginç olmayan	ilginç
Peu de valeur ajout	Ennuyeux	Captivant	Inintéressant	Intéressant
di poco valore	noioso	appassionante	non interessante	interessante
посредственный	скучный	захватывающий	неинтересный	интересный
低劣的	乏味的	带劲的	无趣的	有趣的
価値がない	退屈だ	エキサイティング	おもしろくない	おもしろい
kurang bermanfaat	membosankan	mengasyikkan	tidak menarik	menarik
inferieur	vervelend	spannend	oninteresting	interessant
väärtysetu	igav	põnev	ebahuvitav	huvitav
uspavajoč	dolgočasen	napet	nezanimiv	zanimiv
Värdelös	Tråkig	Spännande	Ointressant	Intressant
սուօճատքութերո	բարետօ	սովորական	աճապօրո	ενδιαφέρον
gorszy	nudny	ekscytujacy	nieinteresujący	interesujący
ଘାଟେୟା	ଉବାଜୁ	ଦିଲଚସ୍ୟ	ଦିଲଚସ୍ୟ ନହିଁ	ଦିଲଚସ୍ୟ
посредствен	скучен	вълнуващ	безинтересен	интересен
podřadný	nudný	vzrušující	nezajímavý	zajímavý
kurang bermutu	membosankan	menyeronokkan	tidak menarik	minamenarik minat
نامطلوب	خسته کننده	شورانگیز	عدم جذبیت	جداب
ໄຣຄຸນຄ່າ	ນ້າມເບື້ອ	ນໍາຕື່ນແດ່ນ	ໄມ່ນໍາສັນໃຈ	ນໍາສັນໃຈ
ringe	kedelige	spændende	uinteressante	interessante
mindre verdifullt	kjedelig	spennende	uinteressant	interessant
vähäärvoista	pitkäveteistä	jäennittäävä	yksitoikkoista	kiinnostavaa
jelentéktelen	unalmas	izgalmas	nem érdekes	érdekes
neodgovarajući	dosadni	uzbudljivi	nezanimljivi	zanimljivi
bezvredni	dosadni	uzbudljivi	nezanimljivi	zanimljivi
סִיתּוֹחַ	סִימְמָעַשָּׂמָן	סִיבִּהַלְמָן	סִינְיַנְעָם	מִשְׁרָאֵם
ନେକୃଷ୍ଟ	ମତନୀ	ମୂଳ	ମଥିର	ମଥିର ଲାହେତମା
ଚେଲ୍ପବାଜୁଙ୍କ	ଏକଘେଷେ	ଓଡ଼ିଆଜନାପୂର୍ଣ୍ଣ	ଆକର୍ଷଣୀୟନାମ	ମଜାଦାର
କନିଷ୍ଠ	ନୀରସବାଦ	ନୀରସବାଦ	ଶୁଭୋକଲପଲାଦ୍ଧ	ଶୁଭୋକଲପଲାଦ୍ଧ
ତାମ୍ଭବାଣ	କଂଟାଳବାଣୀ	ବାହେର ପଡ଼ତ ଆହେ	ମନୋରଂଜକ ନାହିଁ	ମନୋରଂଜକ
menejcenný	nudný	vzrušujúci	nezaujímavý	zaujímavý

L8	R8	L9	R9	L10
unberechenbar	voraussagbar	schnell	langsam	originell
unpredictable	predictable	fast	slow	inventive
impredecible	predecible	rapido	lento	original
Imprevisível	Previsível	Rápido	Lento	Original
tahmin edilemeyen tahmin edilebilir		hızlı	yavaş	özgün
Imprévisible	Prévisible	Rapide	Lent	Original
imprevedibile	prevedibile	veloce	lento	originale
непредсказуемый прогнозируемый		быстрый	медленный	изобретательный
无法预测的	可预见的	快的	慢的	独创的
予想がつかない	予想がつきやすい	速い	遅い	独特だ
tak dapat diprediks	dapat diprediksi	cepat	lambat	berdaya cipta
onvoorspelbaar	voorspelbaar	snel	langzaam	origineel
ootamatu	ennustatav	kiire	aeglane	leidlik
nepredvidljiv	predvidljiv	hiter	počasen	nov
Oförutsägbar	Förutsägbar	Snabb	Långsam	Uppfinningsrik
απρόβλεπτο	προβλέψιμο	γρήγορο	αργό	εφευρετικό
nieprzewidywalny	przewidywalny	szynki	wolny	pomysłowy
अप्रत्याशित	उम्मीद के मुताबिक	तेज	धीमा	आविष्कारशील
непредсказуем	предсказуем	бърз	бавен	идеен
nepředvídatelný	předvídatelný	rychlý	omalý	vynalézavý
tidak boleh dirama	boleh diramalkan	cepat	perlahan	terdapat rekaan ba
غیرقابل پیش بینی	قابل پیش بینی	غیرقابل پیش بینی	سریع	نواوری/مبتكر
ທານາຍໄມ້ໄດ້	ທານາຍໄດ້	ຮວດເຮົາ	ເຂົ້ອງໝໍາ	ຫ່າງປະດິຈິ້ວ
uforudsigelige	forudsigelige	hurtigt	langsamt	opfindsom
uforutsigbare	forutsigbare	raskt	tregt	oppfinsom
arvaamatonta	ennakoitavaa	nopea	hidas	kekseliäs
kiszámíthatatlanok	kiszámíthatók	gyors	lassú	ötlettes
nepredvidljive	predvidljive	brz	spor	inventivna
nepredvidljivi	predvidljivi	brz	spor	domišljati
אי'ג צפויות	צפויות	מהיר	איט'	Պահանջման
غير متوقعة	متوقعة	غير متوقعة	سریع	مستحدثة
অনিশ্চিত	অনুমানযোগ্য	দ্রুত	ধীর	উজ্জ্বাল
ଲୋହିନ୍ଦିଲୁ ସାଧ୍ୟ ଲୋହିନ୍ଦିଲୁ ସାଧ୍ୟ ହେଲାଗୁ			ହେଲାଗୁ	ଯୋହନ୍ଦାଗି କଂଠୁ
অন্দাজকরতায়েতনাহী	ভবিষ্যবাণীকলীজাওজলদ		ধীমা	শৌধକ
ყുകിക്ക മുടിയെ യുകിക്ക കൂടി വേകമാക				നീതാനം / മെട്കൻ ടുപിഡപ്പ
nepredvídateľný	predvídateľný	rýchly	omalý	moderný

R10	L11	R11	L12	R12
konventionell	behindernd	unterstützend	gut	schlecht
conventional	obstructive	supportive	good	bad
convencional	obstructivo	impulsor de apoyo	bueno	malo
Convencional	Obstrutivo	Condutor	Bom	Mau
geleneksel	engelleyici	destekleyici	iyi	kötü
Conventionnel	Rigide	Facilitant	Bien	Médiocre
convenzionale	ostruttiva	di supporto	bene	male
консервативный	мешающий	помогающий	хороший	плохой
常规的	碍手碍脚的	能提供辅助的	好的	差的
従来どおり	妨げになる	助けられる	良い	悪い
konvensional	menghalangi	mendukung	baik	buruk
conventioneel	belemmerend	ondersteunend	goed	slecht
konservatiivne	takistav	abistav	hea	halb
star	se ne da upravljeni	se z lahkoto upravljeni	dober	slab
Fantasilös	Hindrande	Stödjande	Bra	Dålig
συμβατικό	παρελκυστικό	υποστηρικτικό	καλό	κακό
konwencjonalny	przeszkadzający	wspierający	dobry	zły
ਪਰਮ்பரਾਗਤ	ਪ੍ਰਾਤੀਰਾਧੀ	ਸਹਾਯਕ	ਅੜਾ	ਭੁਰਾ
конвенционален	възпрепятстващ	помагащ	добър	лош
obvyklý	bránící	podporující	dobrý	špatný
berdasarkan kebiasmenghalang	مختل كننده	menyokong	baik	tidak baik
مرسوم/سنڌي	پشتیبان	خوب	بد	
ຕາມແບບແຜນ	ໜັດຂວາງ	ສັນບສນູນ	ດີ	ແຢ
traditionsbunden	hindrende	understøttende	godt	dårligt
tradicjonell	hindrende	støttende	bra	dårlig
perinteinen	vaikeuttavaa	tukevaa	hyvä	huono
szokványos	hátráltatók	támogatók	jó	rossz
konvencionalna	ometajuće	korisne	dobar	loš
uobičajeni	ometajući	od pomoći	dobar	loš
שׂוּגָּרְתִּים	מַשְׁלִיחָה	תומכות	טוב	גָּדוֹל
تقلیدیة	عائقه	داعمة	جيد	سيء
ଗତନୁଗ୍ରତିକ	ପ୍ରତିବନ୍ଧକ	ସହାୟକ	ଭାଲୋ	ଖାରାପ
ଝଳନ୍ଦାଗୀ କେଂଢୁପ୍ରତିରୋଧିନୁବ		ପ୍ରତିରୋଧିନୁବ	ବଜେଦୁ	
ପାରଂପାରିକ	ଅଭିଵୃକୁ କରଣାରା	ଆଧାର ଦେଣାରା	ଚାଂଗଲେ	ବାଈଟ
ବ୍ୟାଙ୍କକମାନ	ତଣେ ଚେଚ୍ଚିଯୁମ୍ ଆତରାବ		ନ୍ରଲବ	କେକ୍ଟା
tradičný	obmedzujúci	podporujúci	dobrý	zlý

L13	R13	L14	R14	L15
kompliziert	einfach	abstoßend	anziehend	herkömmlich
complicated	easy	unlikable	pleasing	usual
complicado	facil	repeler	atraer	convencional
Complicado	Fácil	Desinteressante	Atrativo	Comum
karmaşık	sade	itici	çekici	alışıldık
Compliqué	Simple	Repuissant	Attractif	Habituel
complicato	facile	repellente	attraente	usuale
сложный	простой	отталкивающий	заманчивый	обыденный
复杂的	简单的	讨厌的	迷人的	传统的
複雜	簡單	嫌いだ	好きだ	普通
rumit	sederhana	tidak disukai	menggembirakan	lazim
complex	eenvoudig	afstotend	aantrekkelijk	gebruikelijk
keeruline	lihtne	eemaletõukav	ligitõmbav	tavaline
kompliciran	enostaven	odbijajoč	privlačen	zastarel
Komplicerad	Enkel	Möter inte behov	Möter behov	Bakåtsträvande
περίπλοκο	εύκολο	αντιπαθητικό	συμπαθητικό	συνηθισμένο
skomplikowany	łatwy	nieprzyjemny	przyjemny	zwykły
ଜୀଟେଲ	ଆସାନ	ନାପସଂଦ	ମନ୍ବାବନ	ହମେଶା କୌତରହ
сложен	лесен	неприятен	приятен	обикновен
složitý	jednoduchý	odpudivý	přitažlivý	tradiční
menyulitkan	mudah	tidak disukai	disukai	biasa
معقول				
پیچیده	آسان	ناخوشایند	خوشایند	
ଚାପ୍ଚାନ	ରୈଯନ୍‌ଗ୍ୟ	ନେମନାଶବ୍ଦିକ୍	ନେଚିନଶବ୍ଦିକ୍	ଉଠାବ୍ରିପ
indviklede	nemme	frastødende	tiltalende	sædvanlig
komplisert	lett	frastøtende	tiltalende	vanlig
monimutkaista	helppoa	vastenmielinens	houkutteleva	tavanomainen
bonyolult	könnyű	visszataszító	vonzó	átlagos
komplicirani	jednostavní	odbojna	privlačan	uobičajena
složení	jednostavní	odbojna	privlačno	svakodnevni
ମିଳିବାବୁ	କିମ	ତବସମାଲ	ଇଶ	ମିଲିଗ୍
اعتبادية				
معقد	سهل	غير جذابة	جذابه	
ଜୀଟେଲ	সহজ	প্রত্যাখ্যান	আবেদন	সাধারণ
ଚିତ୍କଷ୍ଟର	ଚିତ୍କଷ୍ଟର	ଆକର୍ଷଣୀୟତା	ଆକର୍ଷଣୀୟତା	ସାମାନ୍ୟ
ବିକଟ	সোପି	ଆକର୍ଷକ ନାହିଁ	ଆକର୍ଷକ	ନେହମୀଚ୍ୟା
ଚିକକଲାଣ	ଚଲପାମ	ନିରାକରିତତ୍ବ	କବର୍ଚ୍‌ଚିଟ୍‌ଟ୍ରୁ	ଚାତାରଣମାର
zložitý	jednoduchý	odpudzujúci	potešujúci	bežný

R15	L16	R16	L17	R17
neuartig	unangenehm	angenehm	sicher	unsicher
leading edge	unpleasant	pleasant	secure	not secure
novedoso	incomodo	comodo	seguro	inseguro
Vanguardista	Incómodo	Cómodo	Seguro	Inseguro
eşi görülmedik	keyifsiz	keyifli	güvenli	güvensiz
Avant-gardiste	Désagréable	Agréable	Sécurisant	Insécurisant
moderno	sgradevole	piacevole	sicuro	insicuro
передовой	неприятный	приятный	надежный	ненадежный
新颖的	令人难受的	适意的	稳当的	靠不住的
斬新的	嬉しくない	嬉しい	安全だ	安全でない
terdepan	tidak nyaman	nyaman	aman	tidak aman
nieuw	onaangenaam	aangenaam	vertrouwd	niet vertrouwd
uuenduslik	ebameeldiv	meeldiv	turvaline	ebaturvaline
modern	neprijeten	prijeten	napovedljiv	nenaopovedljiv
I framkant	Inte tilltalande	Tilltalande	Säker	Inte säker
πρωτοπόρο	δυσάρεστο	ευχάριστο	ασφαλές	ανασφαλές
skrajny	niemiły	miły	bezpieczny	niebezpieczny
অস্ত্রণী ধার	অপ্রিয়	সুখদ	সুরক্ষিত	সুরক্ষিত নহো
иновативен	противен	приятен	сигурен	несигурен
moderní	protivný	milý	jistý	nejistý
mempunyai kelebih tidak menyenangkan	پیش رو در فناوری	مطلوب	نامطلوب	من ام
ଢୁଣ୍ଣନା	'ମେନାଚମ	ମୋହିନୀଚମ	ପଲୋଦର୍ଶୀୟ	ମେପଲୋଦର୍ଶୀୟ
avanceret	ubezageligt	behageligt	sikre	usikre
ledende	lite tiltalende	tiltalende	sikre	ikke sikre
huippulaatuinen	epämiellyttävä	miellyttävä	turvallista	ei turvallista
élvonalban lévő	kellemetlen	kellemetlen	biztonságosak	nem biztonságosak
predvodnička	nepriyatian	priyatian	sigurne	nesigurne
vrhunski	nepriyatian	priyatian	bezbedni	nebezbedni
בצחורה תוגשׂהה	מיעגנָל	מיעגנָל	בשׂוֹרֵת	אינז'בטוחות
استشرافية	غير مريح	مرح	مريح	غير مضمونة
নেতৃস্থানোয়	অপ্রীতিকর	আনন্দদায়ক	নিরাপদ	নিরাপদনয়
ନାମ୍ରାନ୍ତ୍ର	ଅନ୍ତର୍ଭାବ	ଅନ୍ତର୍ଭାବ	ସୁରକ୍ଷିତ	ସୁରକ୍ଷିତ
ପୁଢିବେ ଟୋକ	অপ্রিয়	আনন্দদায়ী	সুরক্ষিত	সুরক্ষিত নাহী
ମୁଣ୍ଡଣଣୀ ଲିଲିଗ୍ରମ୍ପତ୍ତ ତକା	ଇଣିମେଯାଣ	ପାତୁକାପ୍ପ	ପାତୁକାପ୍ପ ଇଁଳ	
špičkový	nepríjemný	príjemný	spoľahlivý	nespoľahlivý

L18	R18	L19	R19	L20
aktivierend	einschläfernd	erwartungskonform nicht erwartungskineffizient		
motivating	demotivating	meets expectations does not meet expectation inefficient		
activante	adormecedor	cubre expectativas no cubre expectativa inefficiente		
Motivante	Desmotivante	Atende as expectativas Não atende as expectativas inefficiente		
canlandırıcı	uyutucu	beklentilere uygun bekentileri karşılay verimsiz		
Stimulant	Soporifique	Répond aux attentes Ne répond pas aux attentes inefficiente		
attivante	soporifero	aspettativo non aspettativo inefficiente		
увлекательный	однообразный	соответствует ожиданию не соответствует ожиданию неэффективный		
令人兴奋的	令人昏昏欲睡的	符合预期的 不合期望的	期待に合う 期待に合わない	低效的 効率が悪い
モチベーションをモチベーションを期待に合う				
memotivasi	tidak memotivasi	memenuhi ekspektasi tidak memenuhi ekspektasi efisien		
motiverend	demotiverend	volgens verwachting niet volgens verwachting inefficiënt		
motiveeriv	vähemotiveeriv	vastab ootustele ei vasta ootustele ebaefektivne		
raznolik	enoličen	zanesljiv nezanesljiv ni učinkovit		
Motiverande	Omotiverande	Möter förväntning Möter inte förväntning ineffektiv		
ενθαρρυντικό	αποθαρρυντικό	ανταποκρίνεται στιδεν ανταποκρίνεται ανεπαρκές		
motywujący	demotywujący	spełnia oczekiwania nie spełnia oczekiwania nieefektywny		
праират	праенавин	অপেক্ষার্থী কো পূরা কর অপেক্ষার্থী কো পূরা নহ অক্ষম		
мотивиращ	демотивиращ	отговаря на очаквания не отговаря на очаквания неэффективен		
motivující	demotivující	splňuje očekávání nesplňuje očekávání неэффективный		
mendorong	tidak mendorong	memenuhi jangkaa tidak memenuhi jika tidak berkesan		
ایجادانگیزه	عدم ایجادانگیزه	عدم مطابقت با انتظار مطابق انتظار		عدم كفايت
เพิ่มแรงจูงใจ	ลดแรงจูงใจ	ตรงตามที่คาดหวัง ไม่ตรงตามที่คาดหวัง		غير فعال
motiverende	demotiverende	på højde med forvent ikke på højde med ineffektivt		
motiverende	demotiverende	oppfyller forventning ikke forveineffektivt		
motivoivaa	ei-innostavaa	odotuksiani vastaa odotuksiani vastaa tehoton		
motíváló	demotíváló	megfelelnek az elv elvárásoknak nem hatékony		
motivirajući	demotivirajući	ne ispunjavaju oček ne ispunjavaju oček neučinkovit		
motivišući	sputavajući	ne ispunjavaju oček ne ispunjavaju oček neefikasan		
היציבותם מושג עזנייה תודמומיותם מושג עזנייה		ליעי אל תוייפיצב תודמומי עזנייה תוייפיצב תודמומי עזנייה		
غیر فعال	غير مُشجع	لا تفي بالتوقعات	مشجع	
অনুপ্রেরণাদায়ক	অনুপ্রেরণাদায়ক	প্রত্যাশাপূরণকরে ন অকার্যকর		
প্রেরণাদায়ক	প্রেরণাদায়ক	প্রত্যাশাপূরণকরে ন অকার্যকর		
প্রেরণাদায়ক	প্রেরণাদায়ক	প্রত্যাশাপূরণকরে ন অকার্যকর		
প্রেরণাদায়ক	প্রেরণাদায়ক	প্রত্যাশাপূরণকরে ন অকার্যকর		
motivujúci	demotivujúci	spĺňajúci očakávanie nesplňajúci očakávnieeffektívny		

R20	L21	R21	L22	R22
effizient	übersichtlich	verwirrend	unpragmatisch	pragmatisch
efficient	clear	confusing	impractical	practical
eficiente	claro	confuso	no pragmático	pragmático
Eficiente	Evidente	Confuso	Impraticável	Prático
verimli	açık	kafa karıştırıcı	yararsız	yararlı
Efficace	Clair	Déroutant	Non pragmatique	Pragmatique
efficiente	chiaro	confuso	non pragmatico	pragmatico
эффективный	наглядный	запутанный	непрактичный	практичный
高效的	一目了然的	令人眼花缭乱的	不实用的	实用的
効率が良い	すっきりしている	ごちゃごちゃして実用的でない		実用的だ
efisien	jelas	membingungkan	tidak praktis	praktis
efficiënt	overzichtelijk	verwarrend	onpraktisch	praktisch
efektivne	selge	ebamäärane	ebapraktiline	praktiline
učinkovit	pregleden	ustvarja zmedo	deluje zatikajoče	deluje tekoče
Effektiv	Tydlig	Förvirrande	Opraktisk	Praktisk
επαρκές	σαφές	μπερδεμένο	μη πρακτικό	πρακτικό
efektywny	przejrzysty	zagmatwany	niepraktyczny	praktyczny
କୁଶଳ	ସ୍ପୃଷ୍ଟ	ପ୍ରାମେତ	ଅବ୍ୟାବହାରୀକ	ବ୍ୟାବହାରିକ
ефикасен	ясен	объркваш	непрактичен	практичен
efektivní	jasný	matoucí	nepraktický	praktický
berkesan	jelas	mengelirukan	tidak praktik	praktik
مکفى				
ମେପରସିଥନ୍ତିକାପ	ଚାଦଜେନ	ଗିଜ କନ୍ଦେ/ମହେମ	غیر کاربردی	کاربردی
ydedygigt	tydelige	ଶବ୍ଦସନ	پژିବିତିଯାଗ	پରିବିତିଂୟ
effektivt	tydelig	forvirrende	upraktisk	praktisk
tehokas	selkeätä	forvirrende	upraktisk	praktisk
hatékony	világos	sekavaa	epäkäytännöllinen	käytännöllinen
učinkovit	jasni	nehezen értelmezhető	praktikus	praktičan
efikasan	jasni	zbunjajući	nepraktičan	praktičan
לִיעָ'	מִירָב	zbunjajući	nepraktičan	praktičan
فَعَال				
কার্যকর	স্পষ্ট	ବିପ୍ରାଣ୍ତିକର	مُرِبِّك	غير عملي
ଦୟକୁଳଦ୍ଵାରା	ନେଷ୍ଟେଛୁ	ନେଷ୍ଟେଛୁ	ଆବାଞ୍ଚବ	عملی
କାର୍ଯ୍ୟକ୍ଷମ	ସ୍ପୃଷ୍ଟ	ଗୋଧନ୍ତାତ ଟାକଣାରେ	ଏବାନ୍ତର୍ଦ୍ଵାରା	ବାଞ୍ଚବ
ତ୍ରୁଟିଙ୍ଗଣ୍ଠିକ	ତେଣିଲିବ	କୁନ୍ଦପପମାଣ	ଏବାନ୍ତର୍ଦ୍ଵାରା	ଏବାନ୍ତର୍ଦ୍ଵାରା
efektívny	jasný	mätúci	nepraktický	praktický

L23	R23	L24	R24	L25
aufgeräumt	überladen	attraktiv	unattraktiv	sympathisch
organized	cluttered	attractive	unattractive	friendly
ordenado	sobrecargado	attractivo	feo	simpatico
Organizado	Desorganizado	Atraente	Feio	Simpático
derli toplu	dağınık	cazibeli	cazibesiz	sempatik
Sobre	Surchargeé	Attrayant	Rébarbatif	Sympathique
ordinato	sovraaccarico	attrattivo	non attrattivo	simpatico
организованный	перегруженный	красивый	отвратительный	доброжелательнь
井然有序的	杂乱无章的	吸引人的	无吸引力的	引起好感的
整理されている	整理されていない	魅力がある	魅力がない	感じがいい
terorganisasi	berantakan	atraktif	tidak atraktif	ramah pengguna
ordelijk	rommelig	aantrekkelijk	onaantrekkelijk	aardig
organiseeritud	ülekoormatud	atraktiivne	ebaatraktiivne	sümpaatne
prostoren	prenatrpan	lep	grd	simpatičen
Strukturerad	Rörig	Estetisk	Oestetisk	Användbar
օրգանական	առօրյանածո	ըլքստիկօ	առաջդիմություն	ֆիլիկօ
zorganizowany	zagracony	atrakcyjny	nieatrakcyjny	przyjazny
সংগঠিত	অব্যবস্থিত	আকর্ষক	অনাকৃষ্ণ	অনুকূল
подреден	разхвърлян	привлекателен	непривлекателен	лесен за ползване
uspořádaný	roztříštěný	pěkný	ošklivý	sympatický
teratur	serabut	menarik	tidak menarik	senang digunakan
سازماندهی شده	سازماندهی شده	بهم ریخته	جلب توجه کننده	مساعد
ଢୁପେନରେମେଇବ	ଢୁଣ୍ଵାଯ	ଦିନ୍ଦୁଦ୍ବୀଜ	ମୈଦିନ୍ଦୁଦ୍ବୀଜ	ଢୁପେନମିଟର
organiseret	rodet	attraktive	unattraktive	venligt
organisert	rotete	attraktive	skjemmende	vennlig
järjestelmällinen	sekainen	viehättäävä	epämiellyttävä	käyttökelpoinen
jól szervezett	szervezetlen	szép	nem szép	barátságos
organiziran	neuredan	privlačno	neprivlačno	prijateljski
organizovan	natrpan	privlačan	neprivlačan	ugodan
מארגן	מ筹划	יב	יבִּתְקָרְטָאַל	וְתוֹדִיא'
منظَّم	مُعْتَرِّف	جذَاب	غَيْرِ جَذَاب	وَدُود
সংগঠিত	এলোমেলো	আকর্ষণীয়	অনাকৃষ্ণণীয়	বন্ধুত্বপূর্ণ
ଫ୍ଲେଶଟ୍ରାନ୍ଡ	ଫ୍ଲେଶଟ୍ରାନ୍ଡ	ଆକର୍ଷଣୀୟ	ଆକର୍ଷଣୀୟ	ସ୍ନେହପରିବାଦ
সংଘটিত	গোঢ଼ଳଲେ	আকର୍ଷକ	আବଦତ ନାହିଁ	মିତିଲାଚା
ଗ୍ରଂପାଟ୍	ଇଣ୍ଟରାକ୍ଚଲାନ୍	କବର୍ଚ୍‌ଚିକରମା	କବର୍ଚ୍‌ଚିଯାର୍ଟ୍‌ରୁନ୍‌ଟାପାକ	
prehľadný	neprehľadný	príťažlivý	nepríťažlivý	sympatický

R25	L26	R26	
unsympathisch	konservativ	innovativ	Attractiveness
unfriendly	conservative	innovative	Attraktivität
antipatico	conservador	innovador	Attractiveness
Antipático	Conservador	Inovador	Atracción
sempatik olmayan	tutucu	yenilikçi	Atractividade
Inamical	Conservateur	Innovant	Çekicilik
antipatico	conservativo	innovativo	Attrattività
недоброжелатель	непримечательны	инновационный	привлекательность
令人反感的	保守的	创新的	吸引力
感じが悪い	保守的	革新的	見栄え
tidak ramah	penggikonservatif	inovatif	Daya tarik
onaardig	conservatief	innovatief	Aantrekkelijkheid
ebasümpaatne	konservatiivne	uuenduslik	Atraktiivsus
nesimpatičen	nevpadljiv	vpadljiv	Atraktivnost
Inte användbar	Konservativ	Innovativ	Attraktivitet
εχθρικό	συντηρητικό	καινοτόμο	ελκυστικότητα
nieprzyjazny	konserwatywny	innowacyjny	Atrakcyjność
প্রাতিকূল	স্নাফেগাদী	নবীন	আকর্ষণ
труден за ползван	консервативен	новаторски	Атрактивност
nesympatický	konzervativní	inovativní	Atraktivita
sukar digunakan	konservatif	inovatif	Daya Tarikan
نامساعد	محافظه کارنه	نواو رانه	جذبیت
ଢୁମ୍ବେପ୍ରିମିଟର	ବ୍ୟାକ୍ସନିଯମ	ପ୍ରିମ୍ବନ୍ତଗ୍ରହମ	କ୍ରମନ୍ତର୍ଦ୍ଧିତା
uvenligt	konservativ	innovative	Tiltrækningskraft
uvennlig	ledende	innovativ	Attraktivitet
vahingollinen	vangoillinen	innovatiivinen	Miellyttävyyss
barátságítan	konzervatív	innovatív	Kellem
neprijateljski	konzervativna	inovativna	Privlačnost
neugodan	konzervativni	inovativni	Privlačnost
יְתִוְדִּי אֶל	סִינְגָּמֶשׁ	סִינְגָּשָׁדָה	תוֹבִיטְקָרְטָא
غير ودود	محافظة	ابتكارية	الجاذبية
ବନ୍ଧୁତ୍ସୁଳଭ ନୟ	ରକ୍ଷଣୀୟ	ଉଚ୍ଚାବନୌ	ଆକର୍ଷণୀୟতା
ସ୍ଵେଚ୍ଛପରିବାଦ	ପୁରାତନ	ପୁରାତନ	ଆକର୍ଷଣୀୟ
অ মিত্রত্বাচা	পুରাণমতবাদী	নାବିନ୍ୟପୂର୍ଣ୍ଣ	আকর্ষণ
அன்பில்லாத	பழமையான	புதுமையான	கவர்ச்சி
nesympatický	konzervativny	inovativny	Atraktívnosť

Perspicuity	Efficiency	Dependability	Stimulation	انگیزش
Durchschaubarkeit	Effizienz	Steuerbarkeit	Stimulation	
Perspicuity	Efficiency	Dependability	Stimulation	
Transparencia	Eficiencia	Controlabilidad	Estimulación	
Transparência	Eficiênciа	Controlo	Estimulação	
Anlaşılırlılk	Verimlilik	Güvenilirlik	Canlılık	
Compréhensibilité	Efficacité	Contrôlabilité	Stimulation	
Apprendibilità	Efficienza	Controllabilità	Stimolazione	
ясность	эффективность	надежность	стимуляция	
明晰	效率	可靠性	促進	
明快さ	効率	信頼性	刺激	
Kejelasan	Efisiensi	Ketepatan	Stimulasi	
Transparantie	Efficiëntie	Bestuurbaarheid	Stimulatie	
Arusaadavus	Tõhusus	Usaldusväärssus	Stimuleerimine	
Preglednost	Učinkovitost	Vodljivost	Stimulativnost	
Tydlighet	Effektivitet	Pålitlighet	Stimulerung	
Ευκρίνεια	Αποδοτικότητα	Αξιοπιστία	Διέγερση	
Przejrzystość	Efektywność	Zależność	Poziom stymulacji	
স্পষ্টতা	দক্ষতা	বিশ্বসনীয়	উত্তরণ	
Лесен за учене	Ефикастност	Контролируемост	Стимулация	
Přehlednost	Účinnost	Spolehlivost	Stimulace	
Kejelasan	Kecekapan	Kebergantungan	Pendorongan	
شفافية	کاری	قابلیت اطمینان		
គារម្លៃទេរីន	ឈាយការមិនត្រួតពិនិត្យ	គុបត្វុ	ការករណ៍ទីនោះ	
Klarhed	Ydeevne	Pålidelighed	Stimulerung	
Klarhet	Effektivitet	Pålitelighet	Motivasjon	
Selkeys	Tehokkuus	Toimintavarmuus	Kannustavuus	
Áttekinthetőség	Hatókonyiság	Megbízhatóság	Ösztönzés	
Razumljivost	Učinkovitost	Pouzdanost	Stimulacija	
Razumljivost	Efikasnost	Pouzdanost	Stimulacija	
תוריה	תוליעי	תובמימה	זורמת	
الوضوح	الكافأة	القابلية للتحكم		التحريك
সুস্পষ্টতা	দক্ষতা	নির্ভরতা	উদ্দোপনা	
ପାଠଦର୍ଶକତତ୍	ଦକ୍ଷୁତତ୍	ଆସରେୟାଗିରୁଣ୍ଡୁ	ଉତ୍ୱେଜନ	
সুস্পষ্টতা	কার্যক্ষমতা	অবলৰ্বিল	উত্তেজন	
தெளிவு குறித்து	திறன் (திறமை)	சார்ந்திருக்கும்	தூண்டுதல்	
Učebnost'	Účinnosť	Ovládateľnosť	Stimulácia	

Novelty	Pragmatic Quality	Hedonic Quality
Originalität	Pragmatische Qualität	Hedonische Qualität
Novelty	Pragmatic Quality	Hedonic Quality
Novedad	Calidad Pragmática	Calidad Hedónico
Inovação	Qualidade Pragmática	Qualidade Hedônica
Yenilikçilik	Pragmatik Kalite	Hedonik Kalite
Originalité	Qualité Pragmatique	Qualité Hédonique
Originalità	Qualità Pragmatico	Qualità eEonica
новинка	Прагматический каце ^е гедонистической качества	
新奇	务实的品质	享乐质量
ノベルティ	実用的な品質	ヘドニック品質
Kebaruan	Kualitas Pragmatis	Kualitas Hedonis
Originaliteit	Pragmatische Kwaliteit	Hedonistische Kwaliteit
Uudsus	Pragmaatiline kvaliteet	Hedooniline kvaliteet (hinnang meeldivuse jä ^r
Originalnost	pragmatično kakovosti	hedonsko kakovosti
Aktualitet	Pragmatiska kvaliteter	Hedoniska kvaliteter
Καινοτομία	ρεαλιστική ποιότητα	ηδονική ποιότητας
Oryginalność	Pragmatyczne jakości	Hedoniczna jakości
নবেনতা	ব্যাবহারিক গুণবত্তা	সুখাত্মক গুণবত্তা
Новаторство	прагматичен качество	хедонистична качество
Originalita	Pragmatická kvalita	Hédonická kvalita
Terdapat kebaharuan	Kualiti yang berguna	Kualiti Keserangan
نواوْری	كيفيت استفاده	كيفيت طراحى
ความแปลง	คุณภาพในทางปฏิบัติ	คุณภาพความเพลิดเพลิน
Nyheds værdi	Pragmatic Quality	Hedonic Quality
Nyhet	Pragmatic Quality	Hedonic Quality
Uutuus	Pragmatic Quality	Hedonic Quality
Újszerűség	Pragmatic Quality	Hedonic Quality
Novina	Pragmatic Quality	Hedonic Quality
Novina	Pragmatic Quality	Hedonic Quality
חדש	Pragmatic Quality	Hedonic Quality
নৃতন্ত্র	الحدثة	Pragmatic Quality
ଝୋନ୍ତନ୍ତ୍ର	Pragmatic Quality	Hedonic Quality
ନଵଲାଇଁଚିଗୋଡ଼	Pragmatic Quality	Hedonic Quality
புதுமை	Pragmatic Quality	Hedonic Quality
Novinkou	Pragmatická kvalita	Hedonická kvalita

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