

Live Experiment about Risk Estimation - Questionnaire

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Thank you for participating in this experiment! Its topic is the estimation of IT-related risk. Please, estimate or guess the following risks as good as you can.

The questionnaire is anonymous. However, we would like to know two personal data about you:

Age:

Working experience in computing in years:

You have 40 minutes time for this questionnaire.

Risk estimation

*First, please estimate the probabilities and damages for the **hardware-related misuse cases**, assuming that **no data backup exists**.*

“Time lost” means the amount of working time (not calendar time) you loose when a misuse case happens.

A dissatisfaction of 7 points means maximum dissatisfaction, and consequently no satisfaction at all.

Risk Estimation Questionnaire, Group 2

Misuse Case	Probability of MUC in % of the number of uses	Average times per year	Probability in 1-7 points	Damage to you in € (when MUC happens)	Damage to you in hours of time lost	Damage to you in 1-7 points	Your dissatisfaction in 1-7 points
MUC1: Your new laptop crashes within the first year							
MUC2: Your new laptop crashes within the first three years							
MUC3: Your laptop crashes.							

Additional questions:

How old is your laptop? _____ years

How often do you use your laptop? _____ times per year

Risk Estimation Questionnaire, Group 2

Now, estimate the probabilities and damages for the **hardware-related misuse cases**, assuming that data backups exist as given.

Misuse Case	Requirement	Probability of MUC in % of the number of uses	Average times per year	Probability in 1-7 points	Damage to you in € (when MUC happens)	Damage to you in hours of time lost	Damage to you in 1-7 points	Your dissatisfaction in 1-7 points
MUC1: Your new laptop crashes within the first year	R1: daily data backup							
MUC2: Your new laptop crashes within the first three years	R1: daily data backup							
MUC3: Your laptop crashes this year.	R1: daily data backup							

Risk Estimation Questionnaire, Group 2

First, estimate the probabilities and damages for the **software-related misuse cases**, assuming that the requirements given are **not realized**.

Misuse Case	Requirement	Probability of MUC in % of the number	Average times per year	Probability in 1-7 points	Damage to you in € (when MUC)	Damage to you in hours of time lost	Damage to you in 1-7 points	Your dissatisfaction in 1-7 points
MUC5: Under load, the Google search takes 3 seconds instead of 0.2 seconds.	R3: more efficient load balancing R5: double performance by load balancing.							
MUC6: A typing error in the search string leads to an (almost) empty list of hits.	R6: Automated detection and correction of typing errors.							
MUC7: You have found a list of hits and opened 20 of these in a new window/ tab. Then, your browser crashes and all these pages get lost. You must restart your search.	R4: Technical possibility to mark interesting hits and to save the list on your computer.							
MUC9: You search for an English search string but you want to find web pages in another language.	R7: You can define the language of the web pages searched.							
MUC10: You search for pages which contain all of three key words, and additionally one out of three synonyms. However, Google also finds pages which contain only one or two of the key words.	R8: Combination of key words is possible. R9: Google "advanced search" allows the "and" and "or" combination of key words.							

Risk Estimation Questionnaire, Group 2

Now, estimate the probabilities and damages for the **software-related misuse cases**, assuming that the requirement given **is realized**.

Misuse Case	Requirement	Probability of MUC in % of the number of uses	Average times per year	Probability in 1-7 points	Damage to you in € (when MUC happens)	Damage to you in hours of time lost	Damage to you in 1-7 points	Your dissatisfaction in 1-7 points
MUC5: Under load, the Google search takes 3 seconds instead of 0.2 seconds.	R5: double performance by load balancing							
MUC6: A typing error in the search string leads to an (almost) empty list of hits.	R6: Automated detection and correction of typing errors.							
MUC7: You have found a list of hits and opened 20 of these in a new window/ tab. Then, your browser crashes and all these pages get lost. You must restart your search.	R4: Technical possibility to mark interesting hits and to save the list on your computer.							
MUC9: You search for an English search string but you want to find web pages in another language.	R7: You can define the language of the web pages searched.							
MUC10: You search for pages which contain all of three key words, and additionally one out of three synonyms. However, Google also finds pages which contain only one or two of the key words.	R9: Google "advanced search" allows the "and" and "or" combination of key words.							

Risk Estimation Questionnaire, Group 2

Additional questions:

How often do you use Google? _____ times per year

How often do you save the list of hits on your computer? _____ % of the times

What did you assume when estimating risk, how often the users saves the list of hits on his/her computer? _____ % of the times