

# openSUSE Start Menu

Discussion of the usability of the KDE start menu

**Stephan Kulow**

Team lead “Interf. and App.”  
cool@novell.com

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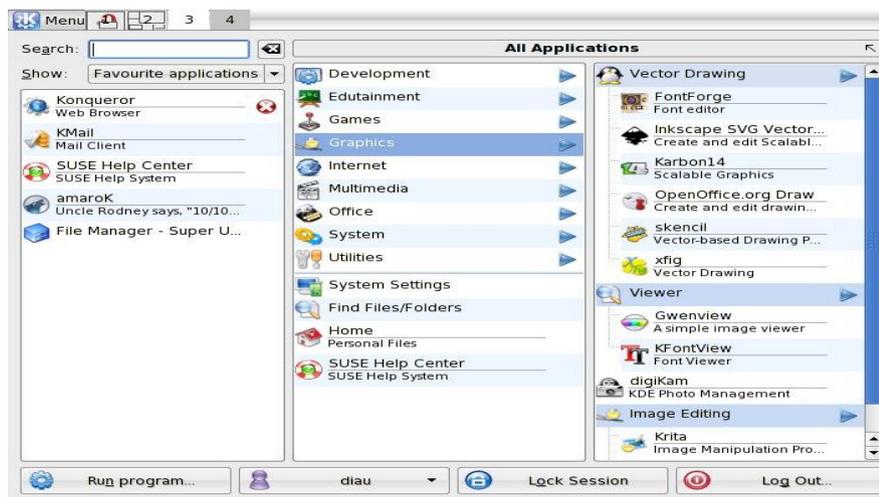
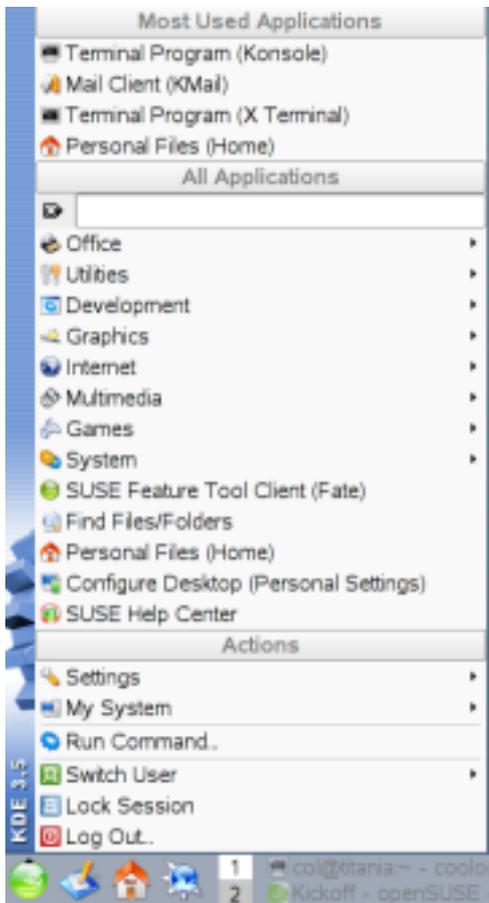
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# Motivation

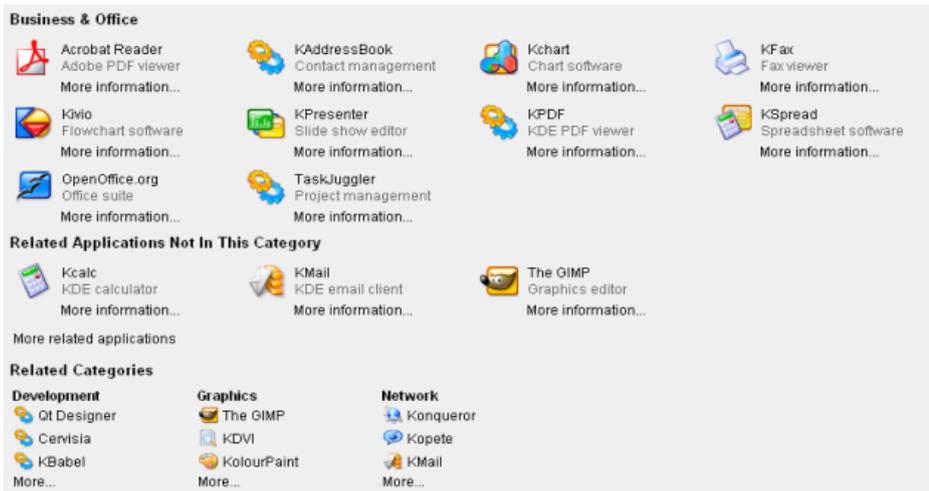
- SUSE wants to drive innovations
- Team analyzed part with best rate of work / benefit
- Start menu was most obvious to us
- Ongoing discussion about the KDE4 start menu

# Several approaches

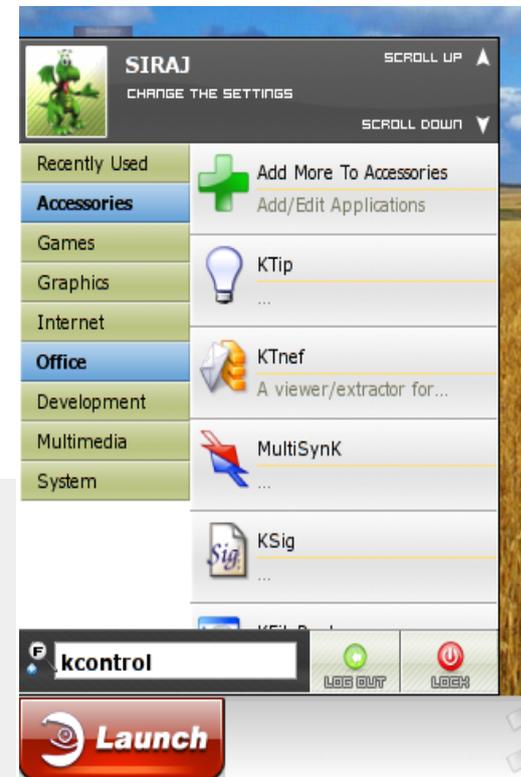
## Filter



## Tasty Menu



## kbfx



## Celeste's App Browser

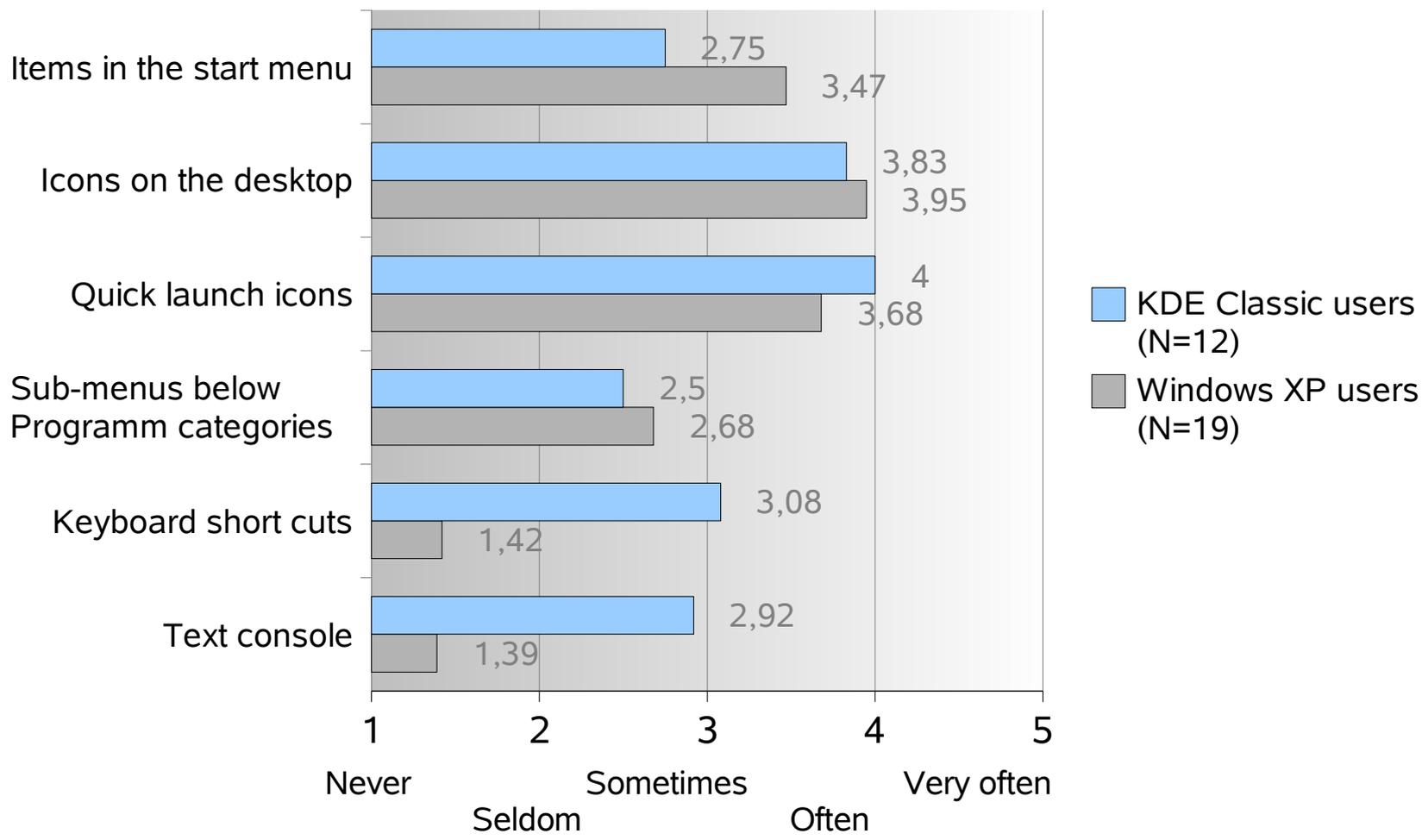
# Setup of the Usability Study

- Testing different start menus
- Finding strengths of them using comparable tests
- 10 users per condition
  - Form about user habits
  - Video-Taping of 13 tasks
  - Another form about impressions
- Development of a prototype that tries to unify the seen strengths
- Another 10 users test prototype
- Inclusion of results in final product

# Start Of Applications

Group independent sample N = 31

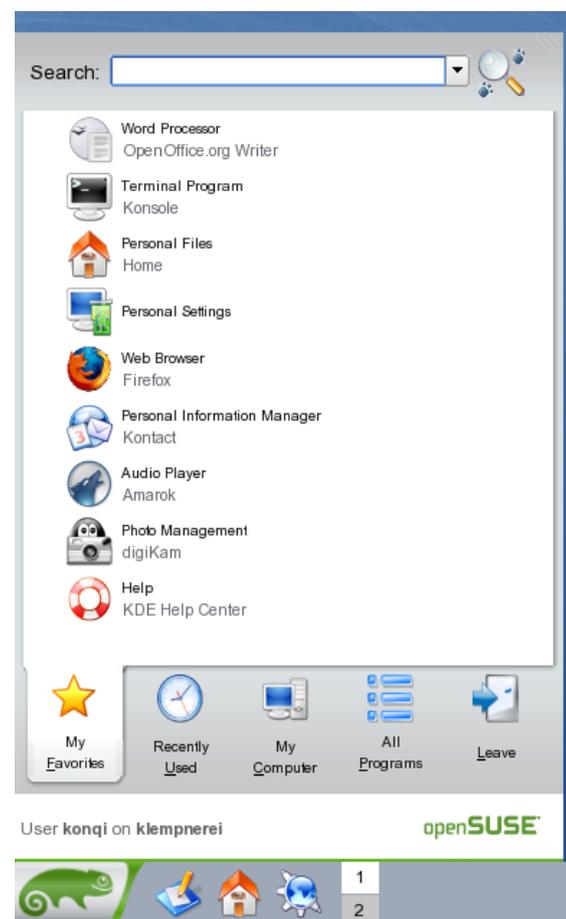
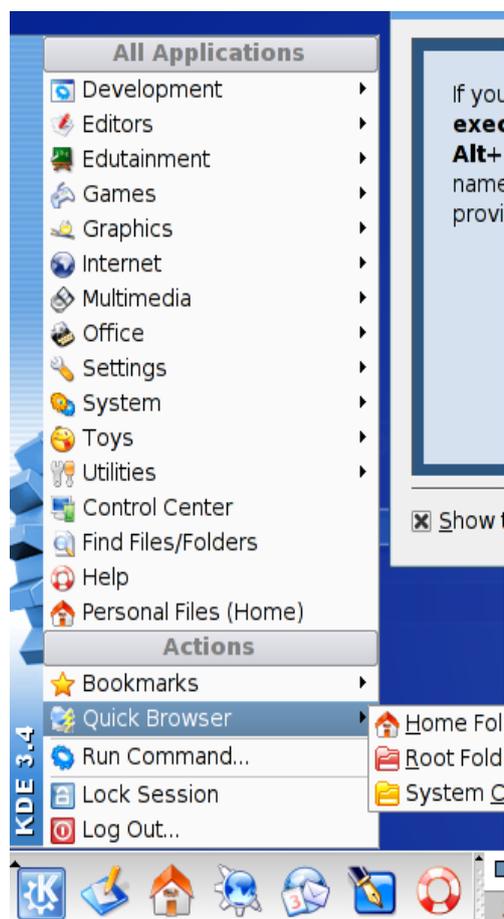
Question: How often do you start applications via...



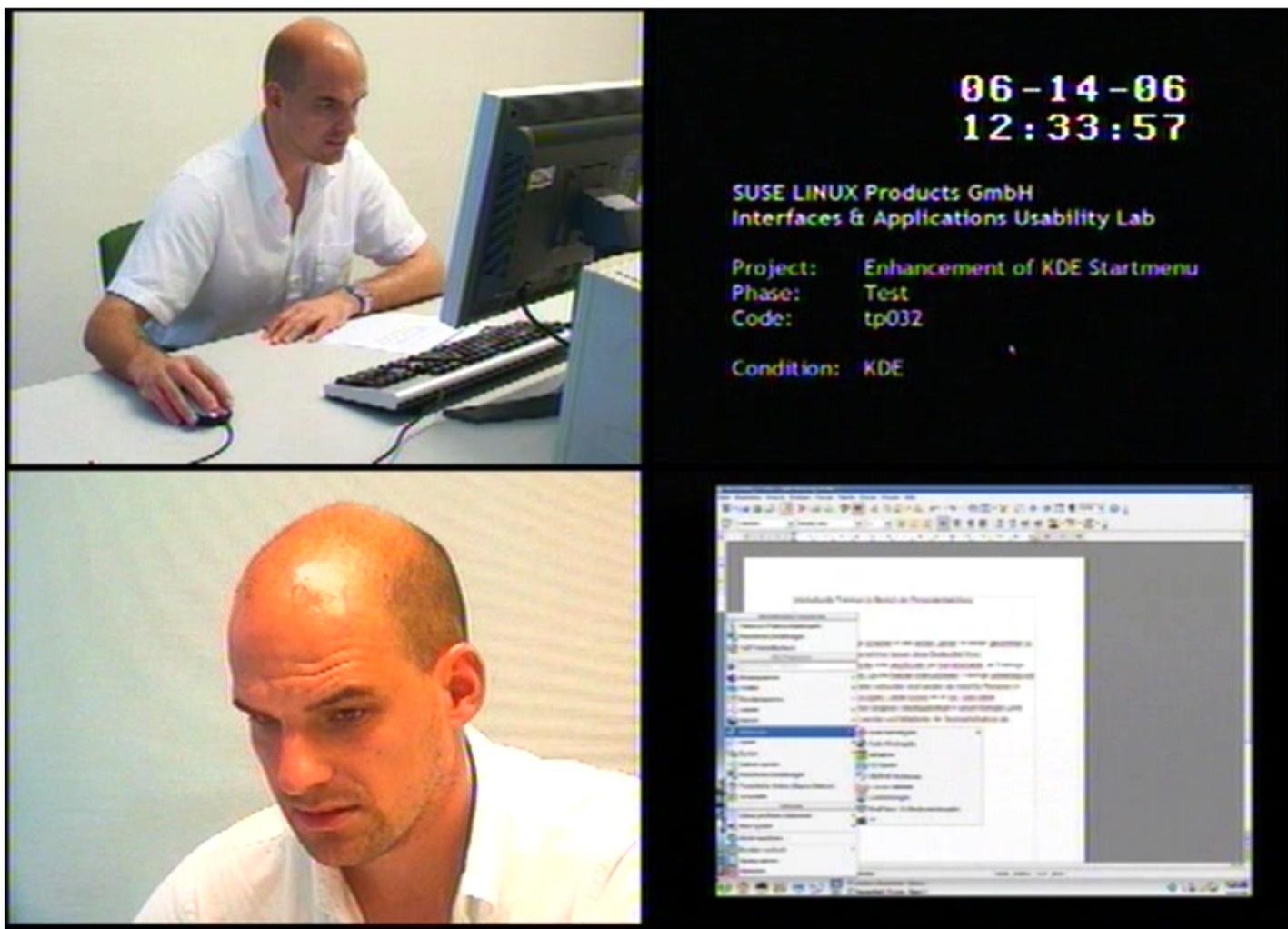
# openSUSE to the rescue :)



# Our Design

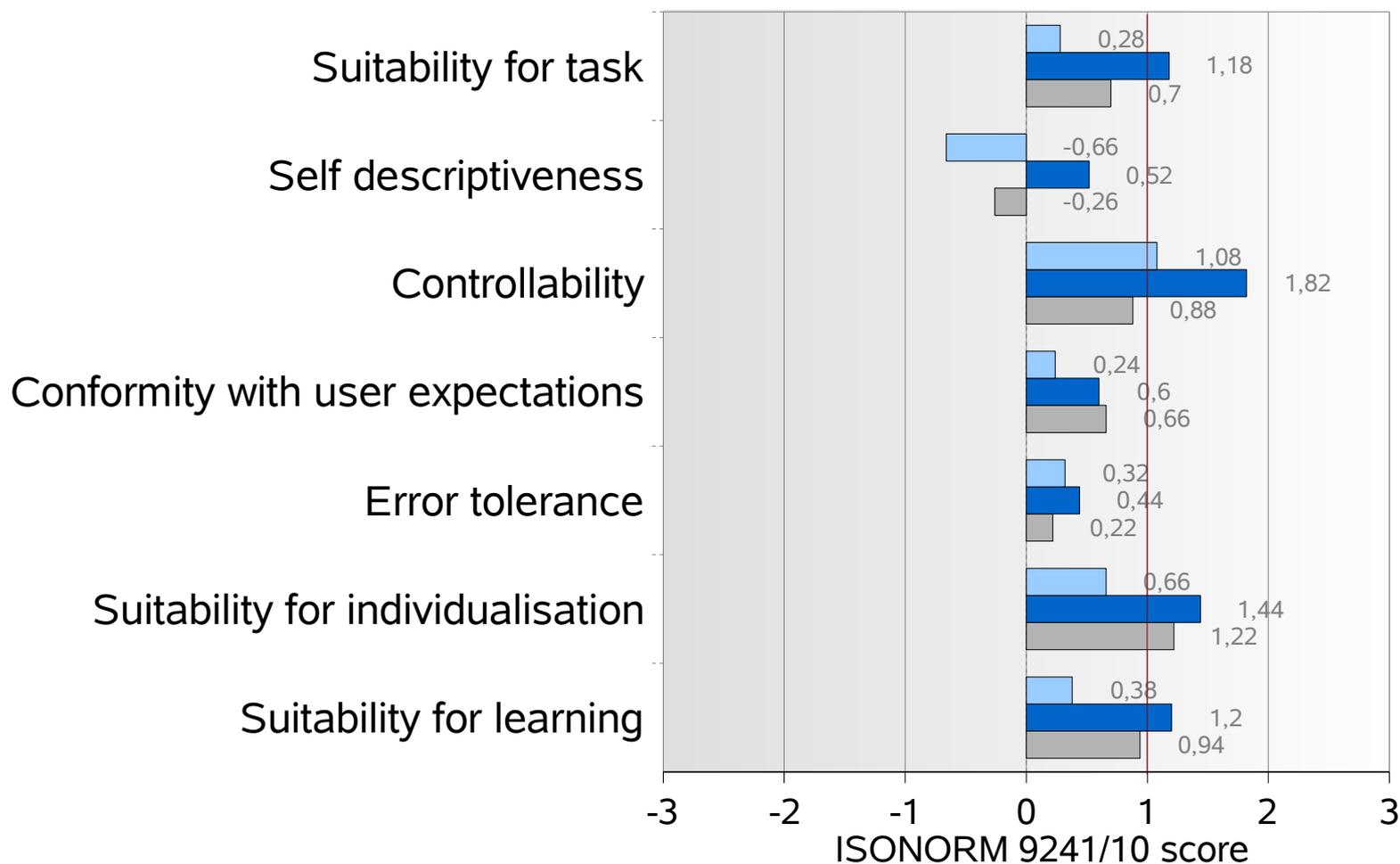


# Example



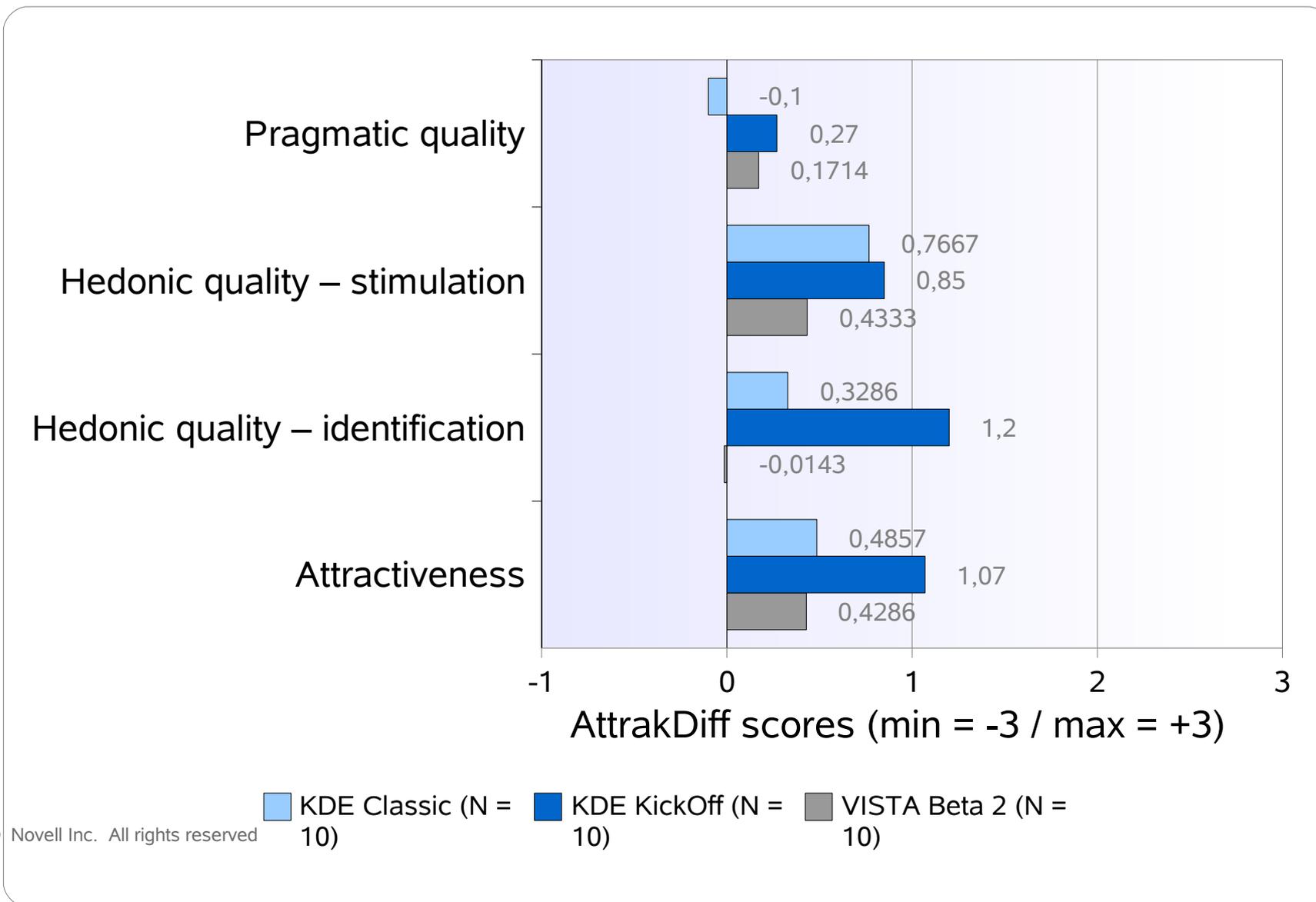
# ISONORM Questionnaire by Prümper & Anft

## Mean of 5 Questions in 7 Categories



# AttrakDiff by Hassenzahl

4 Categories Representing Different Aspects of Attractiveness





# Questions?

Go to <http://en.opensuse.org/Kickoff>

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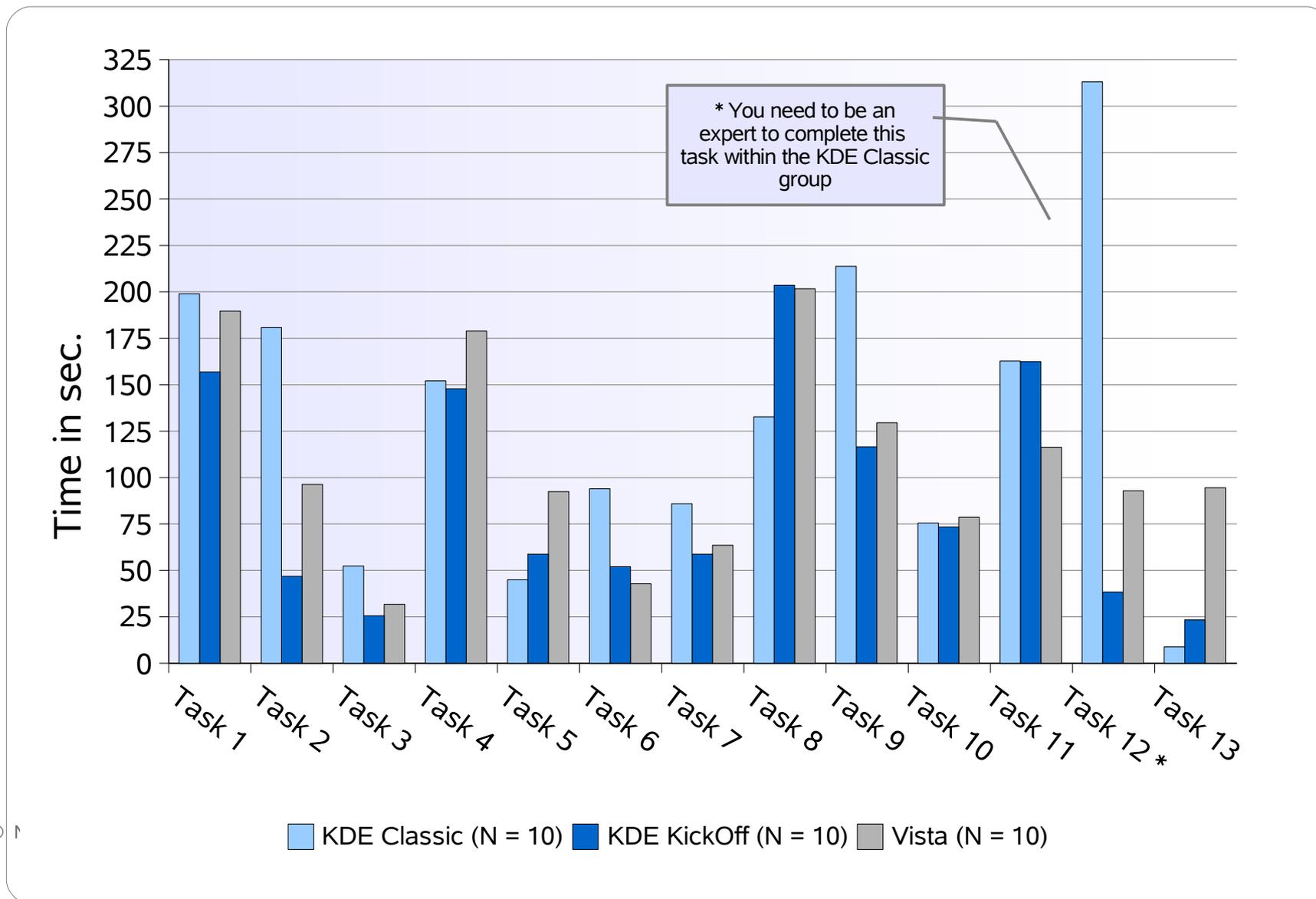


# Tasks

- Task 1: Change desktop background and use file ...
- Task 2: Find, open and close a pdf document with name ...
- Task 3: Find and open a recently used office text document with name ...
- Task 4: Find and open a mp3-file located in the CD-ROM drive with name ...
- Task 5: Lock screen
- Task 6: Open web browser, open and close web page with URL ...
- Task 7: Search for all office text documents containing name ...
- Task 8: Change start menu: remove entry with name ...
- Task 9: Change start menu: add application ... to the start menu
- Task 10: Find rules of the game ...
- Task 11: Find information about "how to add a printer to the system"
- Task 12: Change start menu: Add office text document with name ...
- Task 13: Shut down system

# Task Completion Time

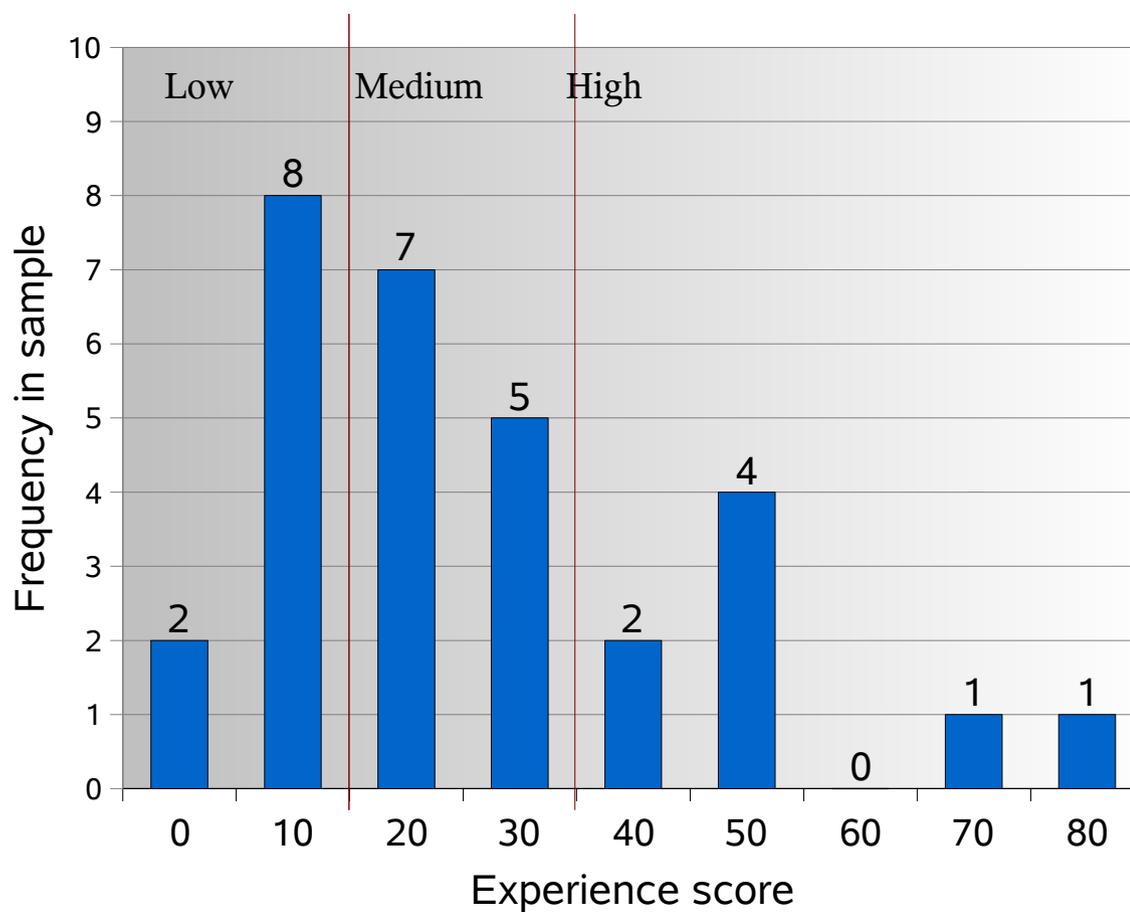
Task 1 to 13 – Lower Values Represent Better Scores



# Sample Description

User Experience (Groups: KDE Classic, KDE Kickoff, Vista)

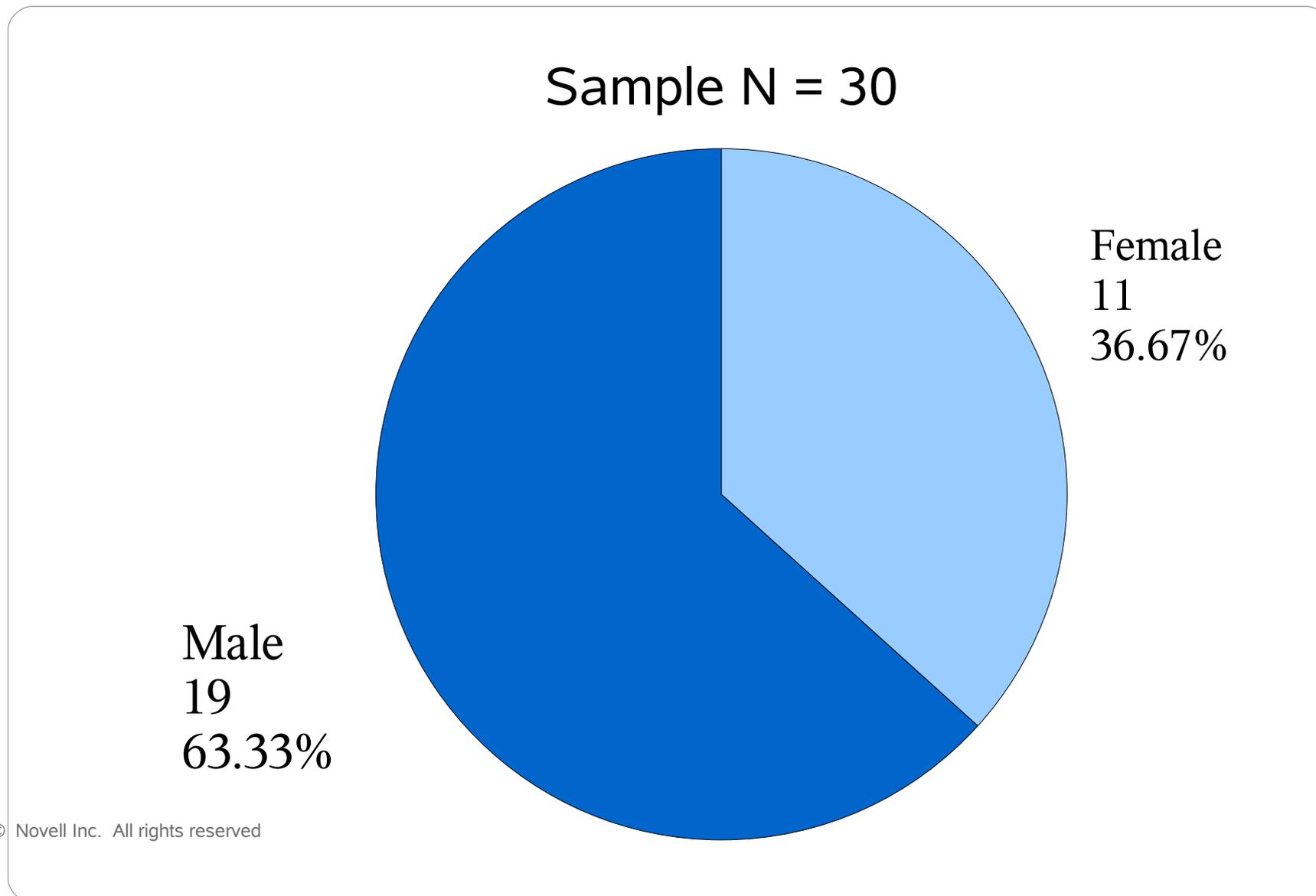
The values are based on the summary of selected variables and do not represent the self estimation score



Std. Dev. = 19.50  
Mean = 26.0  
N = 30

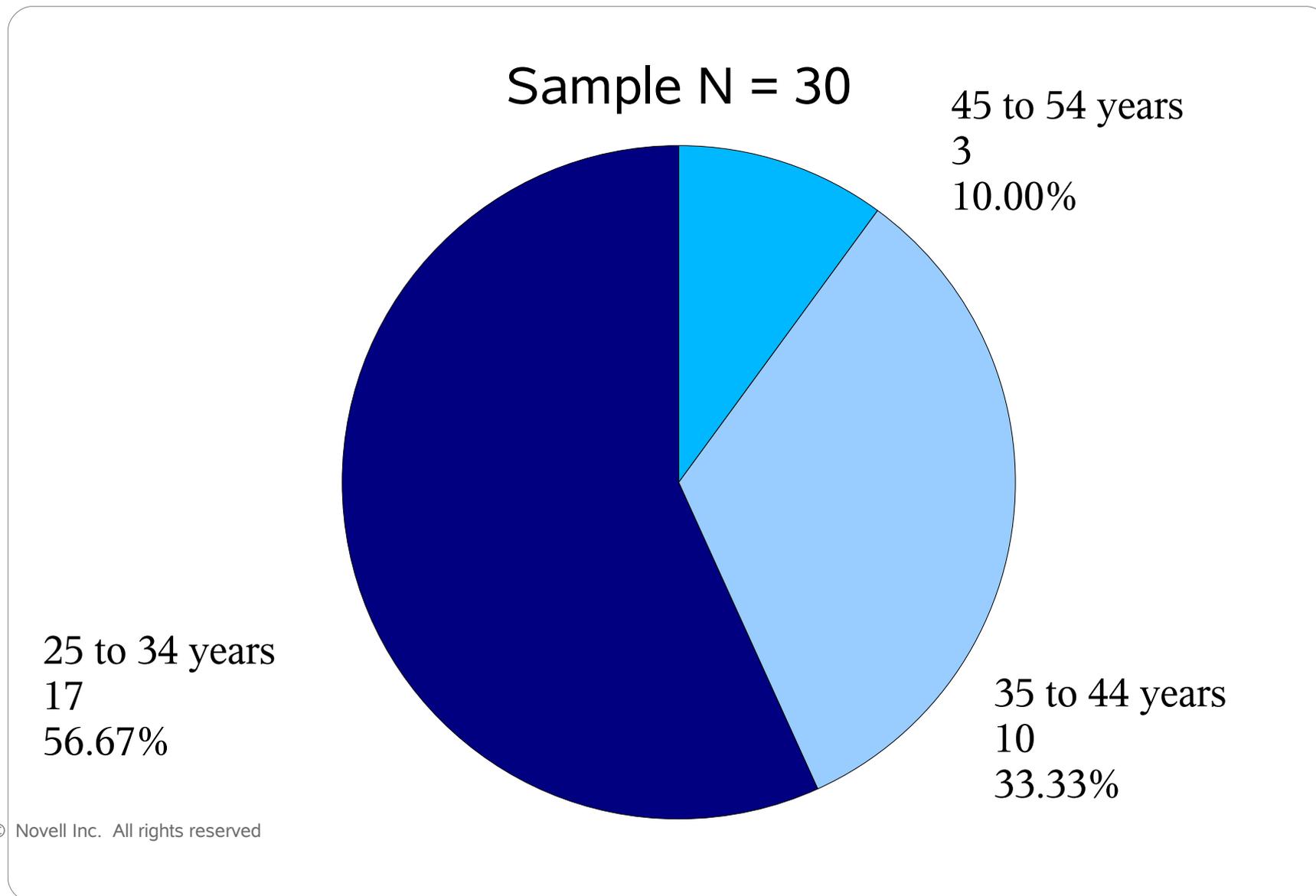
# Sample Description

Gender Dispersal (Groups: KDE Classic, KDE Kick Off, Vista)



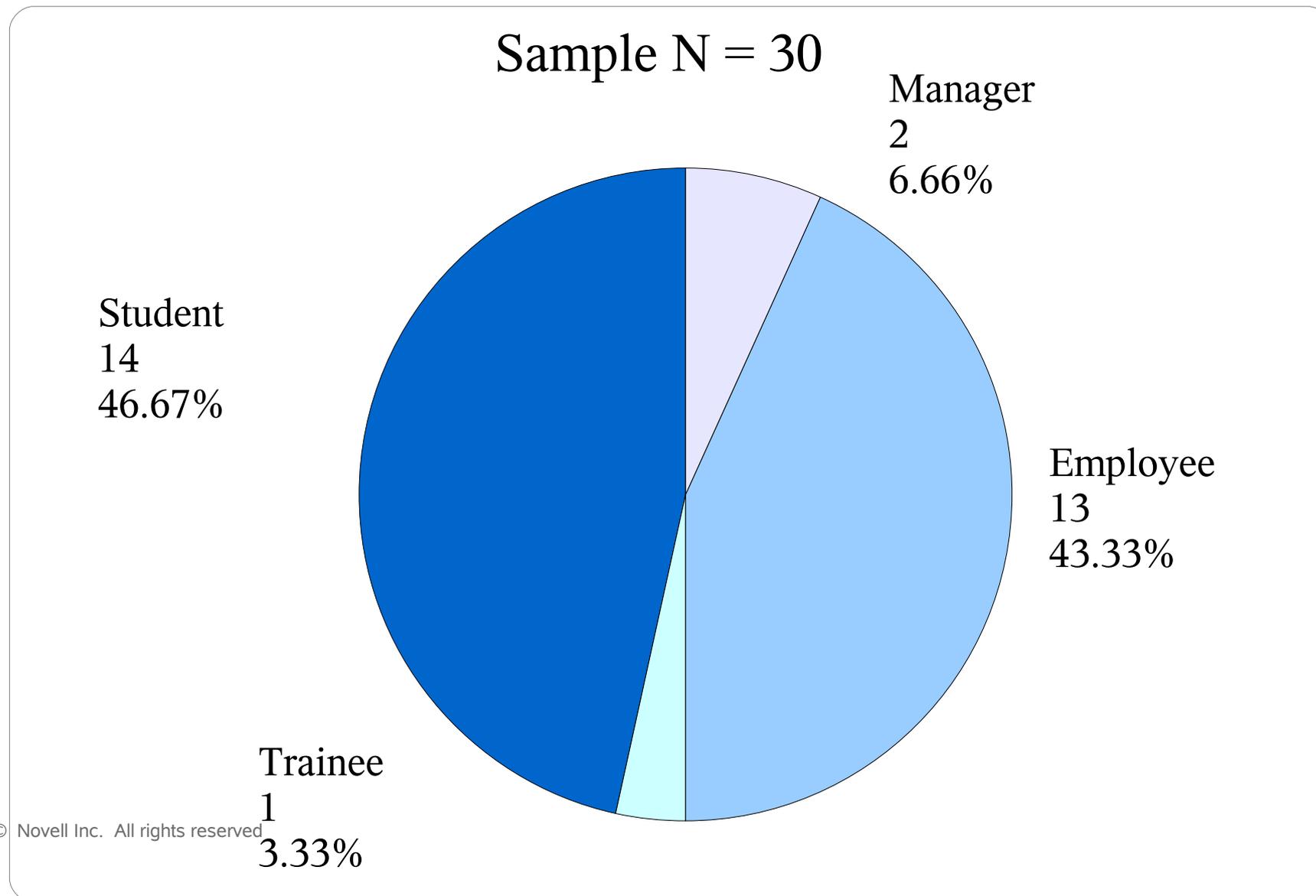
# Sample Description

Age Dispersal (Groups: KDE Classic, KDE Kick Off, Vista)



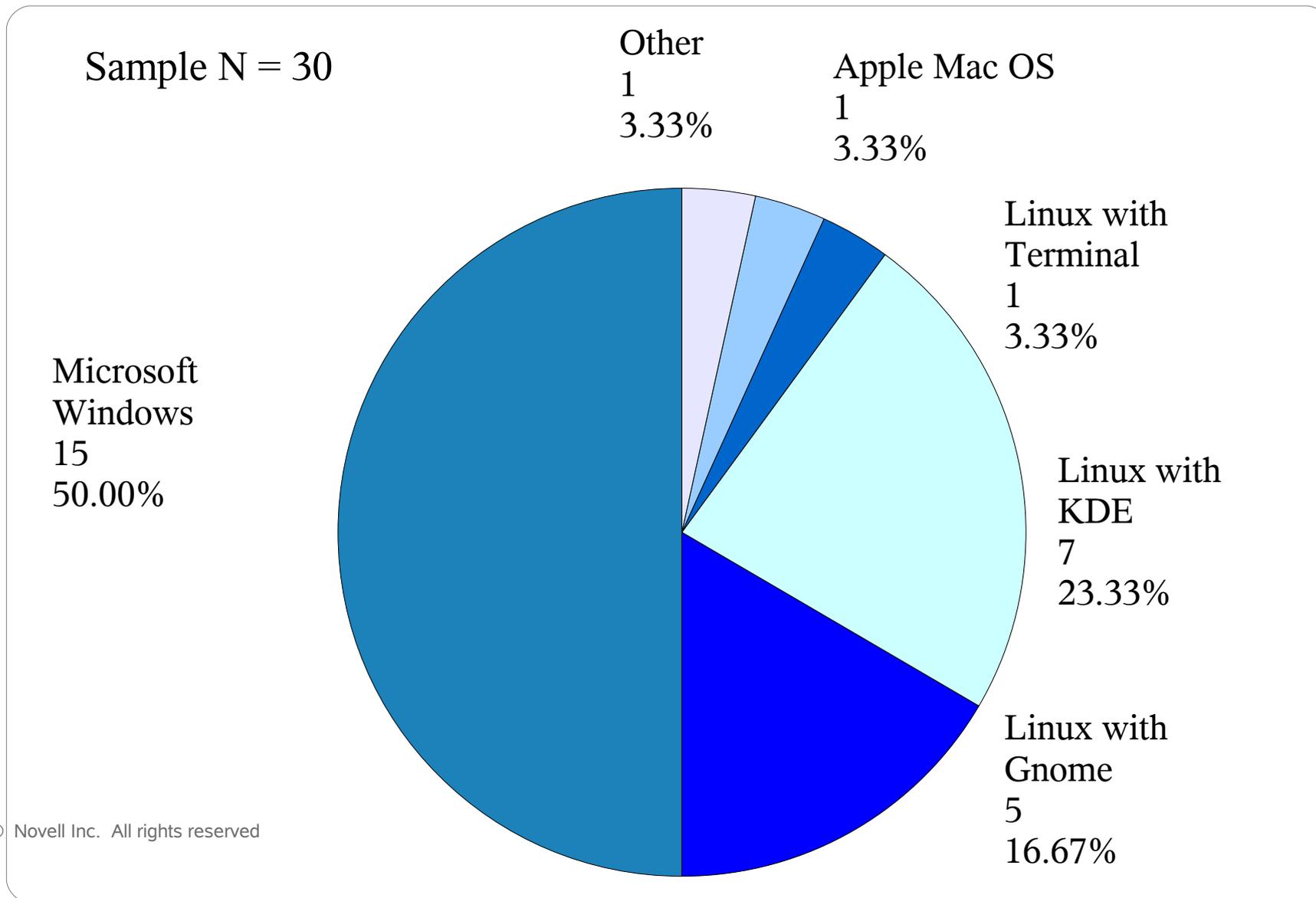
# Sample Description

Profession Status (Groups: KDE Classic, KDE Kick Off, Vista)



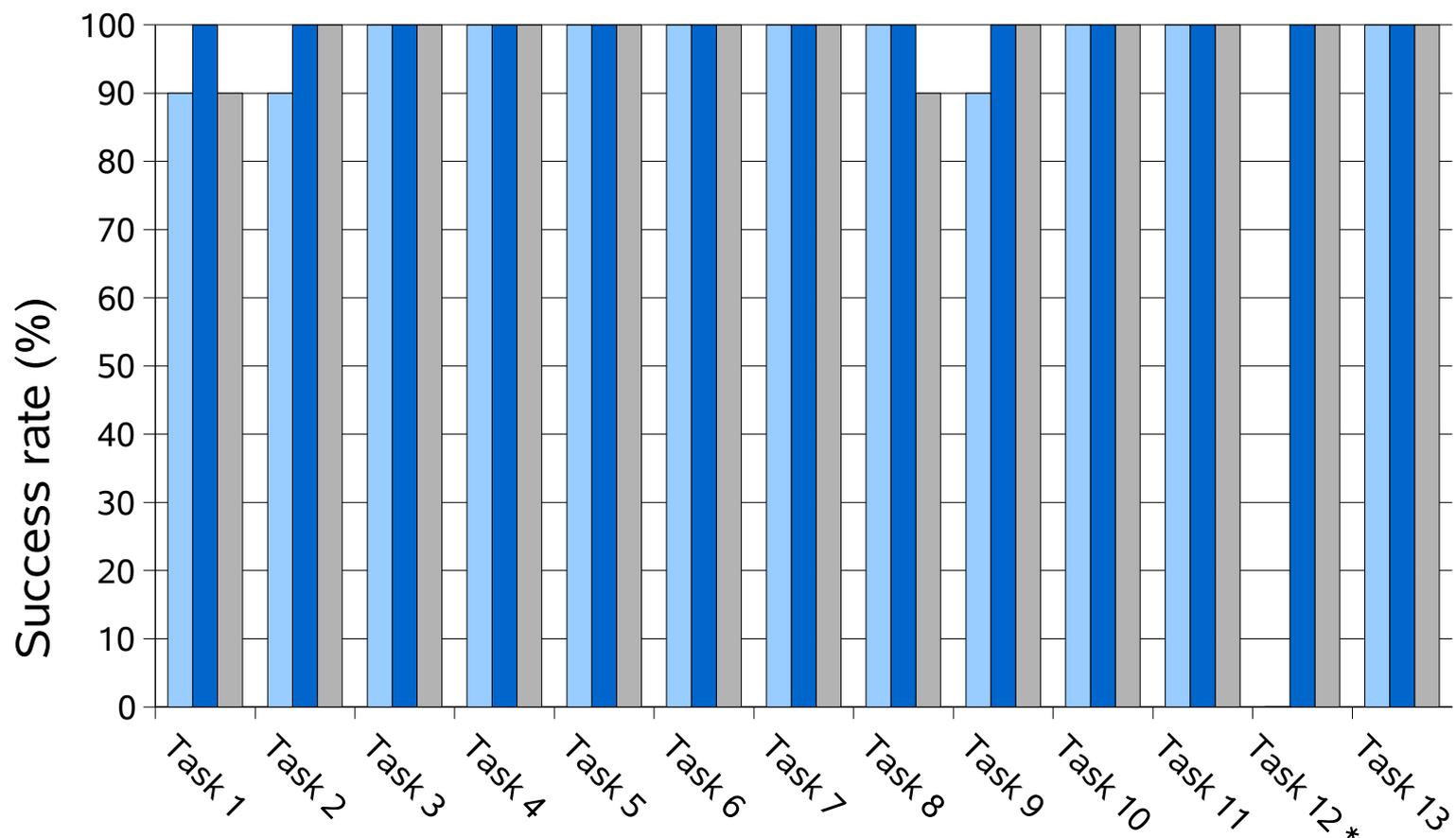
# Sample Description

“My Start Menu” (Groups: KDE Classic, KDE Kick Off, Vista)



# Success Rate of Task Completion

Task 1 to 13



\* You need to be a real expert to complete task 12 in the KDE Classic group with success

■ KDE Classic (N = 10)
 ■ KDE KickOff (N = 10)
 ■ Vista (Beta 2) (N = 10)

# ISONORM Results

## Areas with KDE < 0 (Part 1)

- Suitability for the task
  - **-0.50:** The software does not show all functions to complete the tasks in an efficient manner
- Self descriptiveness (worst case for KDE)
  - **-0.30:** The software shows a bad overview about its functionality
  - **-1.30:** The software does not give adequate information about acceptable or unacceptable interactions
  - **-0.60:** On demand the software does not display an explanation for the specific situation that helps to go on with work
  - **-1.30:** The software does not give explanation by itself an explanation for the current context that helps to go on with work

# ISONORM Results

## Areas with KDE < 0 (Part 2)

- Conformity with user expectation
  - **-0.40:** The software does not give feedback if the ENTER was successful
- Error tolerance
  - **-1.00:** The software does not give concrete information about trouble shooting
- Suitability for individualization
  - **-0.20:** The software does not fit for starters and experts in the same way because it cannot adjusted to my knowledge
- Suitability for learning
  - **-0.10:** The software does not dare me to try new functions

Following, are pairs of words to assist you in your evaluation. Each pair represents extreme contrasts. The possibilities between the extremes enable you to describe the intensity of the quality you choose.



An example:

disagreeable        likeable

This evaluation tells us that the product is predominantly likable, but that there is marginal room for improvement.

Do not spend time thinking about the word-pairs. Try to give a spontaneous response. You may feel that some pairs of terms do not adequately describe the product. In this case please still be sure to give an answer. Keep in mind that there is no right or wrong answer. Your personal opinion is what counts!

**Please mark only one square in each case!**

human	<input type="checkbox"/>	technical						
isolating	<input type="checkbox"/>	connective						
pleasant	<input type="checkbox"/>	unpleasant						
inventive	<input type="checkbox"/>	conventional						
simple	<input type="checkbox"/>	complicated						
professional	<input type="checkbox"/>	unprofessional						
ugly	<input type="checkbox"/>	attractive						
practical	<input type="checkbox"/>	impractical						
likeable	<input type="checkbox"/>	disagreeable						
cumbersome	<input type="checkbox"/>	straightforward						
stylish	<input type="checkbox"/>	tacky						
predictable	<input type="checkbox"/>	unpredictable						
cheap	<input type="checkbox"/>	premium						
alienating	<input type="checkbox"/>	integrating						
brings me closer to people	<input type="checkbox"/>	separates me from people						
unpresentable	<input type="checkbox"/>	presentable						
rejecting	<input type="checkbox"/>	inviting						
unimaginative	<input type="checkbox"/>	creative						
good	<input type="checkbox"/>	bad						
confusing	<input type="checkbox"/>	clearly structured						
repelling	<input type="checkbox"/>	appealing						
bold	<input type="checkbox"/>	cautious						
innovative	<input type="checkbox"/>	conservative						
dull	<input type="checkbox"/>	captivating						
undemanding	<input type="checkbox"/>	challenging						
motivating	<input type="checkbox"/>	discouraging						
novel	<input type="checkbox"/>	ordinary						
unruly	<input type="checkbox"/>	manageable						

/suse/mschmidkunz/Export/NCC/Studie/Docs/attrakdiff\_en.odt

# Was kann es?

- Hauptaugenmerk lag auf einer klaren Struktur
- Suchfunktion, die alle Daten verbindet:
  - Adressbuch, Emails, Lesezeichen und Anwendungen werden gefunden
  - Volle Beagle-Funktionalität (Indizierte Daten)
  - Direktes Öffnen von gefundenen Dokumenten, Starten von Anwendungen, Webseiten
- Aktionen sind kategorisiert
- Integration von zuletzt benutzten Dokumenten und Anwendungen