Analysis of
Milan's apartments
on AirBnB

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What kind of services does the city of Milan offer? How does the offer change according to the area?



Metro stop

Can proximity to the metro be a significant factor in the analysis of apartments? What do you find if you consider apartments based on the nearest metro stop?



Price

What are the main factors that influence the price of an apartment in Milan?



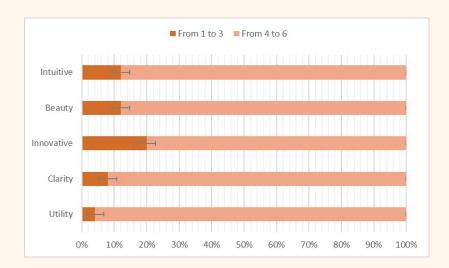
Ideal apartment

Can an infographic be helpful in finding the ideal apartment?









Dashboard finale

Heuristic Evaluation

- lack of clarity in the use of colors → red tends to overpower
- highlighting of deficiencies found in Milan apartments
- difficult to perceive the possibility of interaction

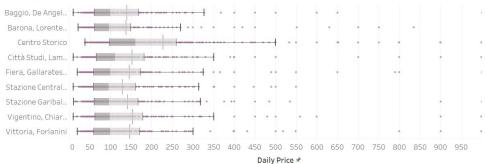
User Test

TASK: In the Garibaldi Station, Niguarda area, what is the percentage of apartments that do not have elevators?

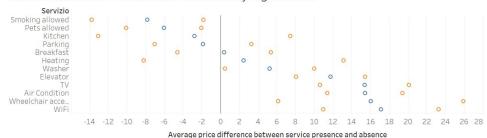
- No errors were made for this task
- AVERAGE 14,4"
- MEDIAN 14"

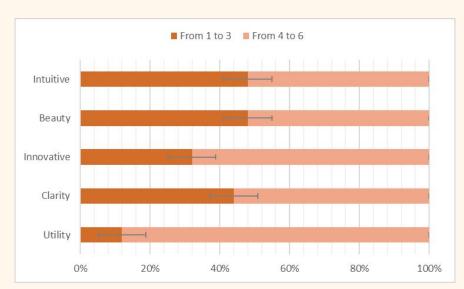


Daily price distribution by area



What is the price difference between apartments that have a service and those that do not? Is this difference statistically significant?





Dashboard finale

Heuristic Evaluation

- the boxplots was very clear to all the users
- confidence intervals was unintuitive especially to users with little statistical skills
- the sample mean is useless for the purpose of interpretation
- interpretation might be easier if the two orange dots were joined with a line

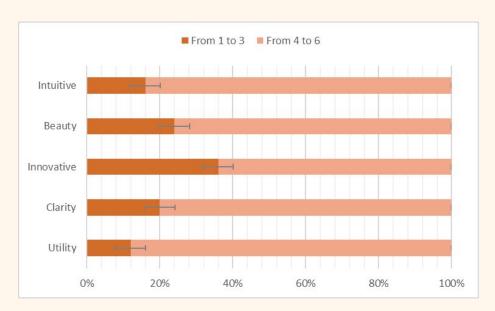
User Test

TASK: Is the average price difference due to the presence of WiFi considered significant?

- No errors were made for this task
- AVERAGE 11.9"
- MEDIAN 10"







Dashboard finale

Heuristic Evaluation

- house-shaped icons to call up the domain of the project
- the same color is used to express two different concepts

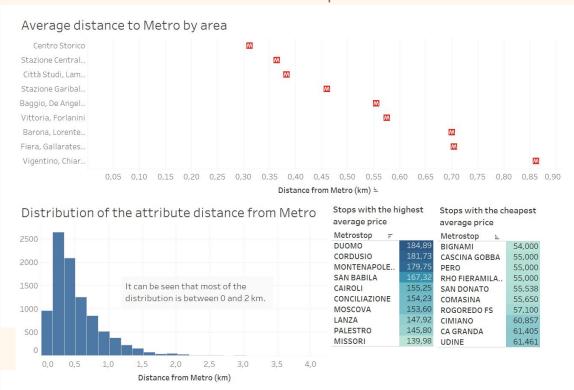
User Test

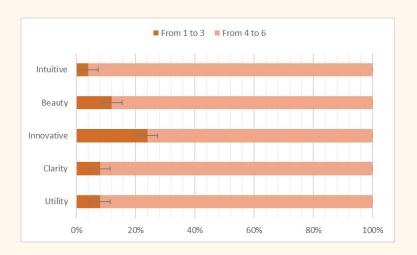
TASK: Which areas have more than 7.5% of apartments with a higher than average daily price?

- Two users displayed one more zone than requested, two users answered how many zones instead of which zones, finally one user listed the zones with more than 7.05% apartments with a daily price above the average instead of 7.5%
- AVERAGE 22"
- MEDIAN 20"



Metro stop





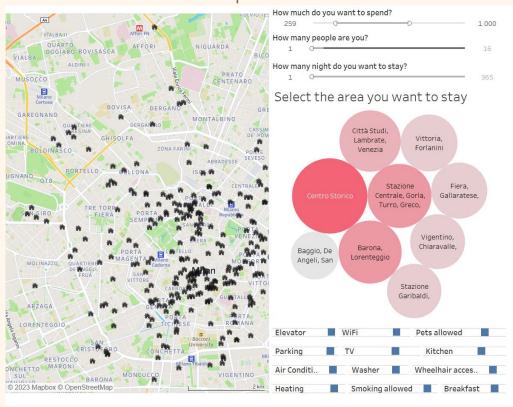
Heuristic Evaluation

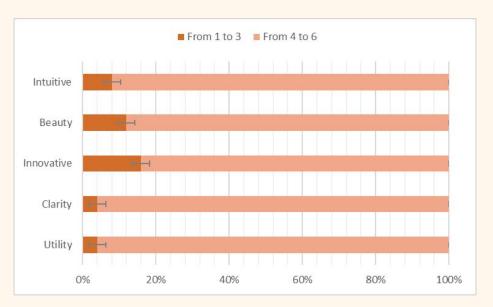
- easy to understand and aesthetically beautiful
- the choice of table colors

Dashboard finale



Ideal apartment





Dashboard finale

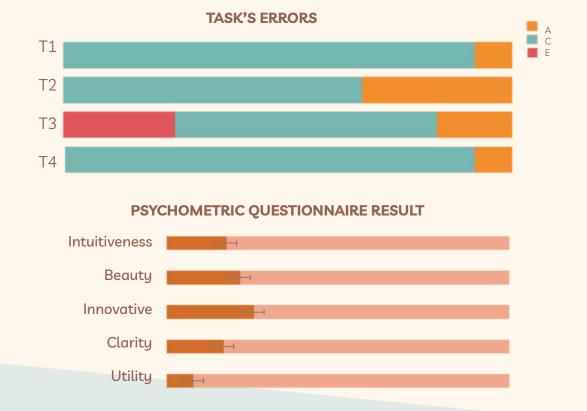
Heuristic Evaluation

- problems related to the sliders
- filters that allow you to select the services you want to have in the apartment are not intuitive

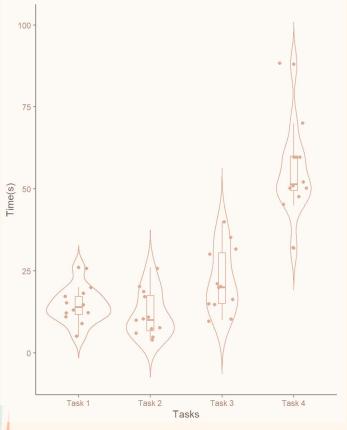
User Test

Select apartments that are available in Centro Storico area for at least 2 nights with elevator and breakfast that can accommodate at least 4 people in the range of 270 to 700 \$

- No errors were made for this task
- AVERAGE 55.5"
- MEDIAN 51.5"



Overall assessment



EXECUTION TIME OF THE FOUR TASKS