

Information visualization: Final presentation

Antwerp bike routes

Group 1

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Motivation



Motivation: biking in Antwerp

- The city of Antwerp has introduced a low emission zone in februari 2017
- People are more encouraged to use green alternatives
 - For what purpose do people use their bike downtown?
 - Which routes do they take?
 - Is it faster/easier than using the car?
- Goal: developing a tool for environmental city planning

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Data



Datasets

- Cycling routes
 - European cycling challenge 2015 (Cycling365)
 - Timings and GPS coordinates
- Extra user information
 - Additional csv file
 - Gender, age and profession
- Car routes
 - here maps API
 - Timings and GPS coordinates



Demo



Reflection



Reflection

- Choice of visualization should support the insights
- Some insights can only be achieved by combining views on the data
- Pre-attentive processing can be used to quickly point out interesting findings
- Change (in data) should be made visible to the user
- When using colors, paying attention to the color schemes is important for colorblind people
- “Overview, zoom & filter, details-on-demand”
- Keep the interface simple and clear to the user

