



Project work

- Mandatory part of the course
- In groups of 1-3 people
- About 2 credits of workload per person
- Return at the end of the course by email



Project work

- "Analysis-based"
 - Set a research question related to location awareness
 - Implement, run, and evaluate with an open dataset
 - Present your findings as a research article kind of report with relevant references
- "Implementation-based"
 - Design an application using location awareness
 - Implement, test, and evaluate your application
 - Return your code and a short report describing your work



Example datasets

- Multiple different datasets: <http://crawdad.org/>
- Foursquare:
<https://sites.google.com/site/yangdingqi/home/foursquare-dataset>
- Graphs: <https://snap.stanford.edu/data/>
- GeoLife GPS trajectories:
<https://www.microsoft.com/en-us/download/details.aspx?id=52367>
- NYC taxi data: <http://www.andresmh.com/nyctaxitrips/>
- A long list (e.g. more transportation):
<https://github.com/caesar0301/awesome-public-datasets>



Topic ideas

- Analysis
 - Use reference lists from the end of the slides and/or other articles
 - Choose an interesting one and implement it
- Applications:
 - Indoor localization at the campus/Exactum
 - Your own location-aware game
 - Practical implementation of an algorithm presented in the course