**It’s time to think about your project!**

To get started, think about the following questions and note down your thoughts and ideas. No need to be perfect! Afterwards, everyone will be asked to share what they came up with: This way, we can identify overlaps in interests and see who wants to team up.

* **What’s a general topic area I am interested in?**
* Sustainability, Energy, Economics
* **What is my question?**
  + **Social Network Analysis**
  + How can we reduce individual motorized traffic by optimizing official pedestrian and cycle paths within a city?
* **What data source can I use to answer it? How do I get access?** 
  + Verkehrszähldaten Velos und Fussgänger  
    <https://data.bs.ch/explore/dataset/100013/map/?sort=datetimefrom&location=14,47.55145,7.61589&basemap=a95210>
  + Cars:  
    <https://data.bs.ch/explore/dataset/100006/table/?sort=datetimefrom>
  + Ratio Bike / Cars 🡪 Different Places – connections between places
  + What’s an optimal traffic system
  + Schools, stations, slides Isabel,
* **Which methods will I use?** 
  + Social Interaction Modelling (?)
  + Data Visualization
  + Centrality measures 1. May, distinguish main streets, central nodes, softness and edge, ignore pedestrians, compare bike and cars (bike/cars ratio), clear research question, visualization, reasoning, edge weight (how much traffic from one node to the other), two most connected nodes, distribution, bottleneck on streets, explain Basel, different centrality measuers and their meanings, focus on small analysis
* **Is there anything that I need to find out for myself? ¨**

<https://www.researchgate.net/publication/235357488_Analysis_of_Bicycle_Commuter_Routes_Using_Geographic_Information_Systems_Implications_for_Bicycle_Planning>

<https://www.fhwa.dot.gov/publications/research/safety/pedbike/99034/99034.pdf>