

### **Motivation: Make Switzerland Safer**

### Social





# rime prediction with data tools & algorithms

### **Research Questions:**

- 1. How to design an IS which supports crime prevention?
- 2. How to motivate individuals to undertake preventive measures?
- 3. How to support collective actions?
- 4. How to take advantage of advanced analytics to predict and prevent future crimes?







## **Approach: Prevention Through Technology**

•he approach that we are taktion algorithms. In addition to this, ing is to take advantage of exwork will be extended to supervised isting solutions machine learning algorithms to predict the and approaches and bring them together person's likelihood to on one platform. Data be a victim based on used for the first iterpersonal details, maination is represented ly demographics data. by claims data from a We are also looking into Swiss insurance comintegrating additional sources of data (i.e. pany. The aim is to be able to predict future incidents Swiss national statistics office) in orbased on past data. For this we are der to improve the accuracy of our planning to use time series predicmodel.

## **Solution: Mobile Application**

# ET Zürich

**Mobiliar Lab for Analytics** 

