

# Our Great Idea

Group 42  
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## 1 Introduction and summary of the selected paper

- The general topic of research
- The main idea behind the original paper [1].
- The methods and data used in the original paper to address the question

## 2 Problem statement

Mention the new problem you will be addressing. This could be by (1) using the methods in the original paper and applying them for a new urban problem (e.g., Covid-19) by finding other data sources or (2) by identifying a weakness in the method developed in the original paper, and trying to fix it or further explore that weakness. Problem statements can be formulated in different ways: general (often societal) problem, a methodological problem (and the consequences of this can have societal impact), or a formal or abstract problem (i.e., in mathematical notation or pseudo code). Choose a formulation that matches your project proposal.

## 3 Research questions

The new research question (and sub questions) you will try to answer. <sup>1</sup>

## 4 Methodology

What is your approach to answer the research question? Which one of the techniques reviewed in the lectures are going to be further investigated?

## 5 Evaluation approach

- **Metrics:** What metrics do you use for evaluation of your work?
- **Baselines:** How do you compare the result of your work with the previous work or any other related baseline? Write what do you expect to improve compared to the baselines and mention why you expect such improvement.

## 6 Data sources and other resources

Where do you get the data for the evaluation? (Provide link to sources) Is the code and data of the original paper available and can be used?

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<sup>1</sup>A research question should be followed by a question mark!

## References

- [1] Wikipedia. *Primary Source*. 2020. URL: [https://en.wikipedia.org/wiki/Primary\\_source](https://en.wikipedia.org/wiki/Primary_source) (visited on 01/01/2020).
- [2] Douglas Adams. *The Hitchhiker's Guide to the Galaxy*. London, UK, 1979.
- [3] Albert Einstein. "Über die von der molekularkinetischen Theorie der Wärme geforderte Bewegung von in ruhenden Flüssigkeiten suspendierten Teilchen". In: *Ann. Phys.* 17 (1905), pp. 549–560.