- What is the problem you want to solve?

Predicting the sale price.

Are you buying or selling a house? What price should you set ? You probably have potential benefits to set your price higher related to specific properties that you do not know. Which property is more or less expensive?All of these correlations are good to observe which is what I am going to do in this project.Whatever it takes: far from a highway, far from a mall? What does really impact on a price or what is optimal price, or is there an outlier? A lot of questions and considerations. I will train a model to predict sale prices having data as a knowledge base and known algorithms.

- Who is your client and why do they care about this problem? In other words, what will your client do or decide based on your analysis that they wouldn't have done otherwise?

Clients here can be anybody. Whoever sells or buys a house. Banks and loan providers. Businesses and individuals. All of them are my potential clients.They would care about this since the market changes overtime. Anytime would be helpful to predict the best price. Why not request the use of computers and Artificial Intelligence? It requires data analysis first from the collected data, then stating a hypothesis , testing it. It requires a touch of a data scientist's job.

- What data are you using? How will you acquire the data?

I will try solve this problem from a dataset of my choice:

https://www.kaggle.com/c/house-prices-advanced-regression-techniques

- Briefly outline how you'll solve this problem. Your approach may change later, but this is a good first step to get you thinking about a method and solution.
    - **Data Wrangling**
    - **Exploratory Data Analysis**
    - **Visualization the data at hand to gain a better intuition or Data storytelling.**
    - **Hypothesis test**
    - **Statistical Inference**
    - **Algorithms**
    - **Implementing Machine Learning Technology**

- What are your deliverables? Typically, this includes code, a paper, or a slide deck.

  Jupyter Notebooks, GitHub repository, Code, Slide Deck, Paper