***Group 1 – Thoughtworks Project***

**Project Scope and Plan**

**Introduction**

In July 2019, the Department for Transport released figures on the number of annual trips made by car in the UK. The figure had risen each year from 2015 to 2018, where it reached a 9 year high of 986 trips per household per year [1]. 75% of UK residents over the age of 17 held a license, 76% of households owned at least 1 car and 77% of the distance travelled was in a car.

Due to the levels of congestion this was causing [2], alternative forms of transport had to be taken into consideration. In 2018, the Major of London and the London Assembly introduced the Mayor’s Transport Strategy [3], which had three main goals;

1. Healthy Streets & Healthy People – how networks encouraging walking & cycling will reduce car dependency
2. A good public transport experience – using public transport for journeys too long to walk or cycle will reduce the number of cars on the road
3. New homes & jobs – planning the city around walking, cycling & public transport will encourage more of these forms of transport in the future

This project therefore aims to investigate how a change of cycling infrastructure affects the number of journeys made by bicycle

**Hypothesis & Problem Statements**

A number of hypothesis can be made before the start of the project. These hypotheses will help determine the future plans made by the London Assembly to increase the percentage of journeys made on bike in the future.

1. Improvements in the cycling infrastructure will lead to a greater the number of journeys made by bike
2. An increase in quality of cycling infrastructure will increase the percentage of journeys made by bike each year
3. The number of journeys completed by bike will vary for different areas of London, and so therefore different transport plans may be needed for the different sections (Central London, Inner London and Outer London)

These hypotheses will help determine the future plans made by the London Assembly to increase the percentage of journeys made on bike in the future, by answering the below questions;

1. What are the main factors that determine whether people choose to cycle?
2. What interventions and changes to the transport network have the greatest impact on cycling engagement?
3. What are the demographics of cyclists in these cities?
4. How can we use these to increase the uptake of cycling in London?
5. Are there any underrepresented groups that can be engaged with to try and increase the uptake of cycling as a mode of transport?

**Team Roles**

Joel – Introduction, Problem Statements, Project Plan & Project roadmap

Maria -

Cody -

Robert -

Tayo –

Please assign the below to your name:

* Explore data sources given by Thoughtworks & write the analytical approach for this data set
* Find & scrape external data sources comparing the % of journeys on bike to car/public transport/walking/other
* Explore external data sources & write the analytical approach for this data source
* Setting up the coding environments, completing the remaining team charter, ensuring correct referencing style is used & final proof read of document

**Project Plan**

Current Plan:

INSERT

Thoughtworks agile approach to analysis - insert

**Analytical Approach**

**References**

[1] [https://assets.publishing.service.gov.uk/media/5d442d5c40f0b6749ba15f6f/national-travel-survey-2018.pdf - 18/10/2023](https://assets.publishing.service.gov.uk/media/5d442d5c40f0b6749ba15f6f/national-travel-survey-2018.pdf%20-%2018/10/2023)

[2] <https://www.london.gov.uk/press-releases/mayoral/cost-of-congestion-in-capital-revealed#:~:text=In%202018%2C%20this%20increased%20to,congestion%20%E2%80%93%20115%20hours%20per%20year>. – 18/10/2023

[3] [https://www.london.gov.uk/programmes-strategies/transport/our-vision-transport/mayors-transport-strategy-2018 - 18/10/2023](https://www.london.gov.uk/programmes-strategies/transport/our-vision-transport/mayors-transport-strategy-2018%20-%2018/10/2023)

[4]

[Insert No] <https://tfl.gov.uk/corporate/about-tfl/the-mayors-transport-strategy> - 18/10/2023

**Appendix**

Project Roadmap