Toronto House Price Analysis Project

# Data Analyst:

# Client/Sponsor:

# House Buyer

Purpose/Objective:

The housing prices near Toronto Area are rapidly increasing over the last decade.

The goal of this project is to study the factor driven Toronto House Price by taking a broad macroeconomic view. Identify the top 3 factors which are related to dramatic increases in House Price with public data sources.

Each potential factor should include a trend relationship for both increasing and decreasing periods.

# Scope / Major Project Activities:

*What are the major parts of this project? List out the high-level steps, activities, or stages of the project, and give a brief description for each.*

| Activity | Description |
| --- | --- |
| Data Collection | Collect data from public open source  -Toronto House Price ->  -increase in immgration  -limited supply of house due to lack of construction  -wage/investment  -mortgage rate |
| Identify Factor | Analyze Data from 5-6 potential factor to determine top 3 |
| Determine Relationship | Study each factor to understand the cause. This may require additional data and using both increasing and decreasing period of Toronto House Price |
| Recommandations | Determine strength of individual factors related to Toronto House Price. Estimate price trend if possible and rank the suggestion factor. |
| Report Demo | Deliver Final Report and recommendation in PPT and Dashboard format |

# This project does not include:

*Specify the things that this project isn’t responsible for doing (out of scope). For instance, “this project does not involve a summation of 2019 data analysis”*

●Any areas outside Toronto area are not take into consideration

●No house price data older than 8 years will be considered in this project

●

# Deliverables:

*A speciﬁc list of things that your project will deliver.*

| Deliverable | Description/ Details |
| --- | --- |
| Data Viz(Dashboard) | A data viz of most cost-effective factor related to Toronto House Price |
| Analysis Report | Report include list of all recommendation of potential factor and methodology using for comparison |
| Final Report PPT | Identify Top 3 impact factor related to Toronto House Price |

# Schedule Overview / Major Milestones:

*The expected schedule for the project. This can be deﬁned by milestones (e.g. “all data is cleaned and processed”), periods of time (“Week 1 / Week 2”), or other ways based on the needs of the project.*

| Milestone | Expected Completion Date | Description/Details |
| --- | --- | --- |
| Brainstorm | Oct 3 | Review possible topic and chose one to perform task analysis |
| Data Review | Oct 11 | Find possible related open source data |
| Data Analysis | Oct 15 | Prepare exploratory analysis report and comparison impact relationship between them |
| Viz and Comparison | Oct 16 | Determine most impact factors |
| Recommendation List | Oct 17 | Prepare final report and PPT |

# \*Estimated date for completion:

*Oct , 17, 2021*