Task breakdown structure

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| --- | --- | --- | --- | --- |
| Releases | High level Story points |  | Assigned | Status |
| Sprint 1 | Project planning and Data fetching/API integration   * Project planning   + Planning initiation   + Planning execution   + Planning adaptation * Data Fetching   + Identify relevant API’s and requirements   + Identify relevant data source   + Identify cities and neighborhoods   + Identify and obtain record of communities with to Starbucks/HEB and Trader Joes   + Demographic data |  |  |  |
| Sprint 2 | Data cleansing and Data Analysis   * Xxxxx * Xxxxxx |  |  |  |
| Sprint 3 | Coding and Testing and Documentation   * Code completion with proper comments * Code review done |  |  |  |
| Sprint 4 | Coding and Testing and Documentation   * Xxx * xxxx |  |  |  |
| Sprint 5 | Creating Presentation   * xxx * xxx |  |  |  |
| Sprint 6 | Presentation   * xxx * xxx |  |  |  |
| Sprint 7 | Post presentation review, Coding updates and Project submission   * xxxx * xxxxxx |  |  |  |
| Sprint | Retrospec   * xxxxxxx |  |  |  |

Brainstorming Project topics:

1. Impact of Starbucks/Trader Joe/Central markets etc., effect on the real-estate value
2. CarMax/Car sale
3. ~~Impact grant toll road on real estate values~~
4. ~~How bitcoin affect the price of Gold~~
5. ~~Hedge fund and investors tracker app~~
6. ~~Streaming life data for stocks – possible 3 -4 stocks~~
7. ~~Life stream of 3 currencies and 3 markets~~

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| --- | --- | --- | --- | --- |
| **Project Name:**  The effect of Starbucks/HEB and Trader Joes locations on property values | | | | |
| **Business Case and Problem Statement:**  The aim of the project is to establish quantitatively that proximity of central markets using Starbucks/HEB and Trader Joes as pilots make significant differences among estimated values, appreciation, and average tax amounts. This will help investors to determine which neighborhoods to invest in property that will produce maximum return on investment. | | | Executive Sponsor:  Project Champion: | |
| **Objective Statement and Scope:**  Research Questions and Answers:   * **Question:** Do home's proximity to Starbucks/HEB and Trader Joes make significant differences among estimated values, appreciation, and average tax amounts. * **Answers:** To establish quantitatively that proximity of central markets using Starbucks/HEB and Trader Joes as pilots make significant differences among estimated values, appreciation, and average tax amounts.   **Dataset to be used:**   * Real estate API’s (Home price data 2010 – 2020, Average tax amount over the same time) * Cities to focus on are (Dalas, Austin and Houston) * 2 neighborhoods per city piloted with comparative status * Record of communities with to Starbucks/HEB and Trader Joes * A record of neighborhoods without Starbucks/HEB and Trader Joes * Demographic data | | | **Team Members:**  Quentin Reynolds  Anjana Chowdiah, Emmanuel George  Alyssa Holman  Azaldin Assi | |
| Black Belt:  Green Belt:  Financial Analysis: | | Investment: |  | |
| DMAIC Plan start -  Plan End | Operational Metric | | Baseline | Target |
| Define  Measure  Analyze  Improve  Control | * Xxx * Xxxxx | |  |  |
| Defect Definition | | | |
| Expected Benefits | | | Exp. Savings ($)) |
| Hard Benefits:  Soft Benefits:  Strategic other Qualitative Benefits: | | |  |