# SIT374 – First Sprint (22nd April – 6th May)

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## **1. Analytics Team**

*- Team members:* Anh Quan Hua (Analytics Team Leader)

Anh Linh Le

Bowen Li

Xiaolu Li

Gouri Nandan Reddy Gangavaram

## **2. Sprint Goals**

*- First goal:* Finalize and deliver the current project, User Behavior Analysis from Fitbit Tracker data.

*- Second goal:* Research and develop a demo Tableau Dashboard for showcasing completed projects.

## **3. Sprint Progress Update**

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| Member | Progress | Sprint Goals |
| Anh Quan Hua | - Gathering/combining the notebooks of all members and highlighting the insightful bits.  - Looking at possible directions for the dashboard. | - Produce and compile the final report for the analysis of Fitbit Tracker data.  - Research on the implementation of Tableau dashboard. |
| Anh Linh Le | - Buidling the Demo Dashboard in Tableau | - Research the applications of Tableau dashboard.  - Produce a working demo showcasing our first project – Game Sales Analysis. |
| Bowen Li | Working on setting up the Tableau environment and doing the initial visualization of data sets. | Data cleaning and correlation analysis with creation of dashboards. |
| Xiaolu Li | Processing data cleaning and analysis, learning Tableau's knowledge and techniques | Data cleaning and analysing – Fitness tracker analysis  Contribute to Tableau’s establish and data analysis |
| Gouri Nandan Reddy Gangavaram | Working on Cleaning dataset and further analysis | Data cleaning & proper analysis with creation of dashboards and documentation. |

## **4. Sprint Goals Delivery**

- All team members are expected to focus on achieving their respective Sprint Goals and upload their deliverables to either Data Science & Analysis Team’s Files tab or the Analytics Team’s group chat.

- Results and findings from this sprint will be used to determine and develop the goals of the next Sprint.

## **5. Sprint Goals Descriptions**

#### First Goal:

- Aim: Finalize and deliver the current project, User Behavior Analysis from Fitbit Tracker data.

- Overview: With Redback Operation’s goal to utilize sensors for analysis of exercise effectiveness, our team decided to approach an open-source dataset collected by one of the players in the fitness wearables sector to highlight particular user behaviors when using smart devices. Our task this Sprint is to compile a comprehensive report from team members’ Python notebooks and present our findings.

- Definition of Done: A report of 3-4 pages documenting the purpose of our analysis, approaches, methodologies and insights found.

- Project timeline:

22nd April – 29th April: Finalize and format members’ notebooks then compile them into a comprehensive file.

29th April – 6th May: Work on documenting the report and upload it to Analytics Team’s Folder in Redback Operation’s Files tab.

- Future project: This project will serve as an initial basis on how the IOT Team can approach utilizing different sensors. Additionally, data used in this project will be showcased using our future Tableau Dashboard.

#### Second Goal:

- Aim: Research and develop a demo Tableau Dashboard for showcasing completed projects.

- Overview: As we approach to providing helpful insights in order to support Redback Operations, it would be ideal to have a powerful visualization tool that is capable of highlighting key insights and comprehensible to most members in the company. The task for this problem is to research the possibilities and capabilities of Tableau along with their Dashboard functions. Afterward, the team should focus on deploying a working demo Dashboard to showcase the analysis of the Fitbit Tracker datasets.

- Definition of Done: Research done on setting up Tableau and the possibilities of Dashboards and a functioning demo for our first showcase.

- Project timeline:

22nd April – 29th April: Research on the implementations of Tableau, noting its strengths and weaknesses as well as the deployment of Analytics Dashboards.

29th April – 6th May: Develop and deploy the Dashboard demo.

- Future project: This project will be the first step to develop a fluid Dashboard template/model for future analysis.