***Master of Information Technology & Analytics***

***MITA Capstone Project 22:544:688***

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| Instructor: Prof. Michail Xyntarakis | Number of Credits: 3 |

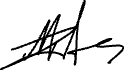
Topics of Study: Citi bike data in NYC

Citi Bike is New York City’s bike share system and the largest in the nation. Citi Bike launched in May 2013 and has become an essential part of the transportation network. They make commuting fun, efficient and affordable – not to mention healthy and good for the environment. Citi Bike is the nation's largest bike share program, with 10,000 bikes and 600 stations across Manhattan, Brooklyn, Queens, and Jersey City. This dataset includes Citi Bike trips since Citi Bike launched in September 2013 and is updated daily. The data has been processed by Citi Bike to remove trips that are taken by staff to service and inspect the system, as well as any trips below 60 seconds in length, which are considered false starts.

In this project, we can find out where do Citi Bikers ride? When do they ride? How far do they go? Which stations are most popular? What days of the week are most rides taken on? Discovering the answers to these questions and more. I will conduct a brief literature review using google scholar. I will use python to clean and prepare the data and Tableau to visualize them in a dashboard.

Briefly explain what kind of work student is required to submit:

A Research paper containing the deliverables of the topics of study chosen, the various methods implemented, the technologies used and the future enhancements that can be done.



Signature of Instructor \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: 09/08/2022

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