Project 2: *Topic Proposal*

*Research Topic:* To analyze if a rider is a registered member or a casual rider and also predict the duration of the ride.

*Introduction:* Capital Bikeshare is a bicycle-sharing system that serves Washington, D.C., and certain counties of the larger metropolitan area.

*Proposed SMART Questions:*

1. Analysing the distribution of Electric vs. Classic Bike Rentals?
2. What are the neighborhoods with Higher Trip Frequency?
3. Understanding the User Type Distribution for Registered Member and Casual Rider?

*Modelling Questions:*

1. To predict if a rider is a registered member or a casual rider based on trip characteristics.
2. To predict the duration of the ride based on trip characteristics and type of rider.

*Data Source:* The data is from <https://capitalbikeshare.com/system-data> and is provided according to the [Capital Bikeshare Data License Agreement](https://www.capitalbikeshare.com/data-license-agreement).

The source dataset consists of about 700K observations over 13 attributes.

*GitHub repo:* https://github.com/Anusha-raju/Capital-Bikeshare.git

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