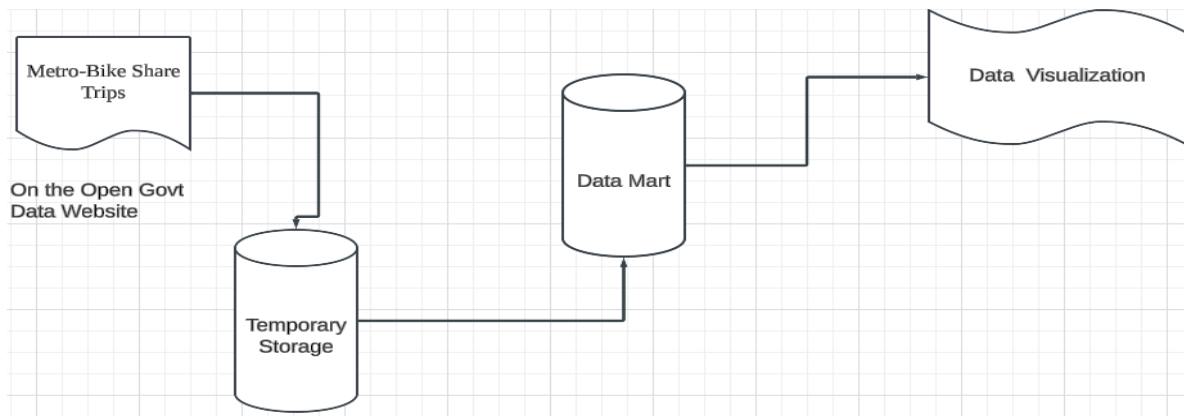


Data Architechture



The data architecture for this project starts initially by extracting data which is stored to guarantee data stability and integrity. As a precaution, this temporary store keeps a backup in case of data collisions. This architecture preserves an unchanged copy of the data that may be retrieved and reprocessed if necessary by establishing this intermediate layer. After the first phase, the data is sent to a Data Mart which is used for analytical processing. After the second process, the data is further transformed to get it ready for viewing after being stored in the Data Mart. In this stage, data is compiled to develop its analytical use. Data is organized to provide graphical representations like barcharts, graphs, and dashboards in the last stages of visual processing as a part of data visulaization. This layered data architecture gives users an effective, organized pipeline that improves data-driven insights and makes decision-making easier, from temporary storage and Data Mart to transformation and display.