**Project Title:**

Ecommerce Website Comparison Database

**Team Members:** Jovan andShola

**Project Description/Outline:**

We decided to perform a website comparison of vast electronical items ranging from household electronics to personal electronic items and gadgets. We will source our datasets by web scrapping popular ecommerce websites to extract data, transform data by cleaning datasets to create a clear structure and load data into a database (postgresql or MongoDB). From our datasets we will compare consumer experience by ratings of items and price differences between categories of the same items.

**Areas of Research**

* Televisions
* Mobile Phones
* Headphones
* Tablets and Kindles
* Washing Machines
* Tumble Driers
* Washer Dryers
* Fridge and Freezers
* Microwaves
* Vacuum Cleaners
* Laptops and PCs
* PC Monitors
* Printers
* Apple Watches
* Smart Watches

**Data Sources:**

The original product list was found by webscraping the product list from each category in the Currys catalogue. As Currys is the most popular tech store in the UK, so it holds the most popular and used products. Using this product list, the Currys (currys.co.uk) and Very (very.co.uk) have been webscraped. The data found these wesbites are Current Prices (including promotions), Rating, Number of Reviews. So the DataFrames for each website hold Type, Name, Price, Rating and Rating Count.

**Research Questions to Answer:**

* Can we find an ecommerce website with significantly lower prices?
* Which ecommerce website has lower prices by category?
* Do reviews differ between both websites we compare?

**Datasets to Be Used:**

Use Beautiful Soup and Splinter to pull data from ecommerce websites

**Rough Breakdown of Tasks:**

* Create code to web scrap for data
* Clean data sets to transform and create clear structure
* Load data into chosen database
* Perform queries on database to analyse product prices
* Collaboratively review findings
* Write description of findings based on analyse
* Create professional README.md document
* Generate repository and collaboratively upload to Github