**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:**

Product List: Webscraping Currys.co.uk

Currys(Prices/Reviews): Webscaping Currys.co.uk

Very(Prices/Reviews):Webscraping Very.co.uk

Currys is seen as the most popular electronic store in the UK, so with that being the case, our Product list was created using their stock. With their items being most popular and most used, it made it a very useful list of products.Then using these products, the Very and Currys website were then webscraped to find prices, reviews and review count, which created two dataframes.

**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