**INFORMATION SEEKING ASSIGNMENT**

**Dataset 1:**

LA Restaurant and Market Health Data (Version 22), Retrieved September 10, 2018 from <https://data.lacounty.gov/Health/LOS-ANGELES-COUNTY-RESTAURANT-AND-MARKET-INSPECTIO/6ni6-h5kp>.

**License:**

Public Domain US Government

**Terms of Use:**

United States government creative works, including writing, images, and computer code, are usually prepared by officers or employees of the United States government as part of their official duties. A government work is generally not subject to copyright in the United States and there is generally no copyright restriction on reproduction, derivative works, distribution, performance, or display of a government work. Unless the work falls under an exception, anyone may, without restriction under U.S. copyright laws:

* Reproduce the work in print or digital form
* Create derivative works
* Perform the work publicly
* Display the work
* Distribute copies or digitally transfer the work to the public by sale or other transfer of ownership, or by rental, lease, or lending

**Description of the Dataset:**

This dataset contains Health inspection and violation results along with information of the restaurants and markets in the city of Los Angeles. The dataset is provided by the County of Los Angeles Public Health who keep updating the data on a regular basis. Abiding the rules and regulations of food safety by any business associated with the food industry is of utmost importance because this directly concerns with the health and mortality of the population.

**Potential Users and Decision makers:**

This dataset is a useful source of information for people who are willing to seek employment in the food industry sector. The results of this data can be used to determine the quality of a restaurant, the location, owner and more relevant information. Using the data citizens of the Los Angeles have a record of the most sanitized restaurants to eat in and the cleanest marketplaces to shop grocery from. The restaurants that violate the food safety code, are labelled and the customer can read this information when they enter the restaurant.

**Questions:**

1. Which chain of restaurants have received the highest score?
2. Which restaurant conducted severe violation of food conduct and were shut down?
3. Which food markets have the highest quality of goods?

**Dataset 2:**

World Happiness Report (2017)*.* *Sustainable Development Solutions Network* (Version 2), Retrieved September 9, 2018 from <https://www.kaggle.com/unsdsn/world-happiness>

**License:**

CC0: Public Domain

**Terms of Use:**

The person who associated a work with this deed has dedicated the work to the public domain by waiving all of his or her rights to the work worldwide under copyright law, including all related and neighbouring rights, to the extent allowed by law. You can copy, modify, distribute and perform the work, even for commercial purposes, all without asking permission.

**Description of the Dataset:**

This dataset is based on a survey to estimate global happiness. The happiness is computed by evaluating the responses of a Gallup World poll that asks its respondents to rate their best possible life with 10 being the best and 0 being the worst. The dataset contains columns such as – economic production, social support, life expectancy, freedom, absence of corruption, and generosity that help determine the extent to which these factors affect the happiness score and contribute to making life ratings higher in each country than they are in Dystopia, a hypothetical country that has values equal to the world’s lowest national averages for each of the six factors. They have no impact on the total score reported for each country, but they do explain why some countries rank higher than others.

**Potential Users and Decision makers:**

This data set has been used by organisations such as United Nations and continues to gain attention by government agencies of different countries, civil sections, and other organisations that use this data to inform their policy making decisions. Apart from this, several researchers like economists, psychologists, public health organisations can use this data for their analysis.

**Questions:**

1. What countries or regions rank the highest in overall happiness?
2. How did country ranks or scores change between the 2015 and 2016 as well as the 2016 and 2017 reports?
3. Did any country experience a significant increase or decrease in happiness? If so, which of the six factors contributed towards the increase or decrease in the happiness?

**Dataset 3:**

Flipkart Products. *Prompt Cloud* (Version 1). Retrieved September 11, 2018 from <https://www.kaggle.com/PromptCloudHQ/flipkart-products/home>

**License:**

CC BY-SA 4.0 ( <https://creativecommons.org/licenses/by-sa/4.0/> )

**Terms of Use:**

* Attribution- You must give appropriate credit, provide a link to the license, and indicate if changes were made. You may do so in any reasonable manner, but not in any way that suggests the licensor endorses you or your use.
* ShareAlike- If you remix, transform, or build upon the material, you must distribute your contributions under the same license as the original.

**Description of the Dataset:**

E-commerce businesses have seen a rapid development in today’s world. The concept of running a business that’s not restricted to geographical factors is fascinating. Flipkart is an e-commerce Indian based company that sells products from categories like clothes, electronics, cosmetics and more. This dataset contains a list of products sold by the company with columns that give product specific information along with product reviews.

**Potential Users and Decision makers:**

Companies that manufacture these products can benefit from this information as they can have a greater insight on what features they can improve in their products; their competition and what consumers prefer. An in-depth analysis of this data can help these companies to increase their revenues.

**Questions:**

1. What are the different categories and how are products categorised? Which category has the highest overall rating?
2. Which product has the highest reviews and which product has the lowest reviews?
3. Which brand has the highest overall rating?