2020 Spring Term (1) Business Analytics and Data Mining DATA 621 01[46893] (School of Professional Studies)   Blogs   Blog 1: Rajwant Mishra

Blog 1

Create Blog Entry

Blog Instructions

A total of 5 blog entries will be required throughout the semester based on a topic of your choice where a student shares his or her thoughts on a statistical method and how that can be used in a real life scenario based on your daily life experience.

These need to be completed by the end of the semester

Thursday, February 13, 2020

Kick Plastic

Posted by   Rajwant Mishra at Thursday, February 13, 2020 1:52:53 PM

I want to barrow your attention to a very big problem of marine life and global pollution. We all have seen the disconnected weather from year on year, but we are not sure how to restore it. I am talking about Plastic, the polymer which first planted in 1856 and presented in 1862 in London. This plastic was organic-based and 97% of it was reusable. But latter in 1900 new plastic polymers discovered which gave new normal for plastic.

These new plastic items take up to **1000 years** to decompose in landfills. But plastic bags we use in our everyday life take 10-20 years to decompose, while plastic bottles take 450 years.

My question is how can we find a better option to Plastic, its not easy to get rid of this man-made chemical compound, but can we use data science to solve it ?

Why Plastic:

- It's easy to find it
- It looks safe to protect anything, spill-proof
- It's used in everything (Laptop/Cellphone, TV, Dinner Plate, CAR, Toys, etc.)
- It's very cost-effective
- List can go on…

Why Switch :

- Better Environment
- The plastic used today would be there at least by the year 3020 , every minute and day the exponential increase of plastic use is creating a big compounded problem.

- When we talk about these number years, these are just estimates no one knows what if these waste from today make another bigger compound which is not possible to get rid of.

Where Data Scientist fit in this problem:

- I don't know how we can solve this unknown problem, but we can educate our society by using the available data and try to see if there is any correlation in the atmosphere, we live in today vs Atmosphere in before 1900.
- What is the other closest martial that can be used to stop the widespread use of plastic? Can Aluminum, Steel be an option for this problem? Few parameters one needs to look for COST, and availability of the resources in the given Geographical region.
- Building a guide where people can learn how much Plastic they used and how it is going to change the future for everyone thousands of the year from now.

As an Individual we can:

- Avoid using plastic
- Avoid using single-use plastic (Bag from the grocery shop, straw, etc)
- Use steel or Glass
- Keep an extra bag to share with the world.

Thank you for reading this. Please share your feedback.

Comment