DISHANK KALRA | 9313601825 | https://dishankkalra23.github.io/ | contact.dishankk@gmail.com | https://www.linkedin.com/in/dishankkalra/ | https://github.com/dishankkalra23 | https://devshots.hashnode.dev/

EDUCATION

NIIT University Aug 2018 – present
B.Tech, Computer Science and Engineering **8.02 (till semester- 6)**

SKILLS

Mathematics and Statistics: Descriptive Statistics, Inferential Statistics, Probability, Hypothesis Testing, Regression
Programming: Python (pandas, NumPy), Java, SQL
Visualization: Matplotlib, seaborn, Tableau, Excel Chart
Database: MySQL, PostgreSQL, Microsoft SQL Server
Effective Communication, Project management, Problem-solving, Research, Teamwork

PROJECTS

Medical Appointment No-Show, (Data Wrangling, EDA, Data Visualization) **May 2021 – June 2021**

- **Problem Statement -** Many patients book the appointment with the doctor and then fail to attend scheduled appointments. The average No-Show is **20%** leading to **lower clinical efficiency** and loss of **20 million** every year to the Brazilian economy.
- **Objective -** To investigate the reason why some patients do not show up to their scheduled appointments.
- Data was gathered from **kaggle's** Medical Appointment No Show dataset and loaded in **google colaboratory** for analysis
- Dataset has more than **100K** records/rows.
- Provided suggestions regarding improvement opportunities at the administration level
- **Github Repo** - https://github.com/dishankkalra23/Medical-Appointment-No-Shows
- **Kaggle Notebook** - https://www.kaggle.com/dishankkalra/why-patients-do-not-show-up-wrangling-eda-viz

Student Performance in the online class, (EDA, NLTK, Tableau, Glove Model) **Jan 2021 – May 2021**

- **Problem Statement -** The covid-19 pandemic has affected the education system. Daily progress monitoring of student's performance that was so prevalent in the offline method of teaching has been hampered due to the unavailability of class interaction and personal attention.
- **Objective -** Past year many schools and colleges have introduced **online forums** where teachers ask questions to check student's **attentiveness** and **performance**. We used **transcripts** of forums to monitor and assess the class participation of students in online lectures.
- Data was collected from the college's technical department in multiple **.txt files** which were then converted into **flat files(like TSV)** and **merged** into a single dataset for analysis.
- Applied different data transformation techniques and analyzed the chats through visualizations.
- Used **GloVe** which is a **pre-trained word embedding model**, to compare the similarity between the answer of students and the correct answers provided by the teacher.
- **Github Repo** - https://github.com/dishankkalra23/Research-and-Development
- **Tableau** - https://public.tableau.com/app/profile/dishank.kalra/viz/RD-1/Story1

CERTIFICATIONS

- Create and Manage Cloud Resources
- Engineer Data in Google Cloud
- Integrate with Machine Learning APIs

INTERESTS

- Bodyweight training (Calisthenics)
- Cooking