Flipr Hackathon 6.0

Machine Learning

Hackathon Problem Statement

The spread of COVID-19 in the whole world has put the humanity at risk. The resources of some of the largest economies are stressed out due to the large infectivity and transmissibility of this disease. Due to the growing magnitude of number of cases and its subsequent stress on the administration and health professionals, some prediction methods would be required to predict the number of cases in future.

When will the coronavirus pandemic come to an end? The question is on everyone's mind, and while astrologers and politicians have answers, few scientists want to be drawn into hazarding a prediction.

The challenge of the Covid-19 prediction is the most crucial component for countries and global health institutions. A successful and accurate prediction to the future covid cases ultimately results in better management of the pandemic.

Detailed Report Card

Name : Vishakha Gupta

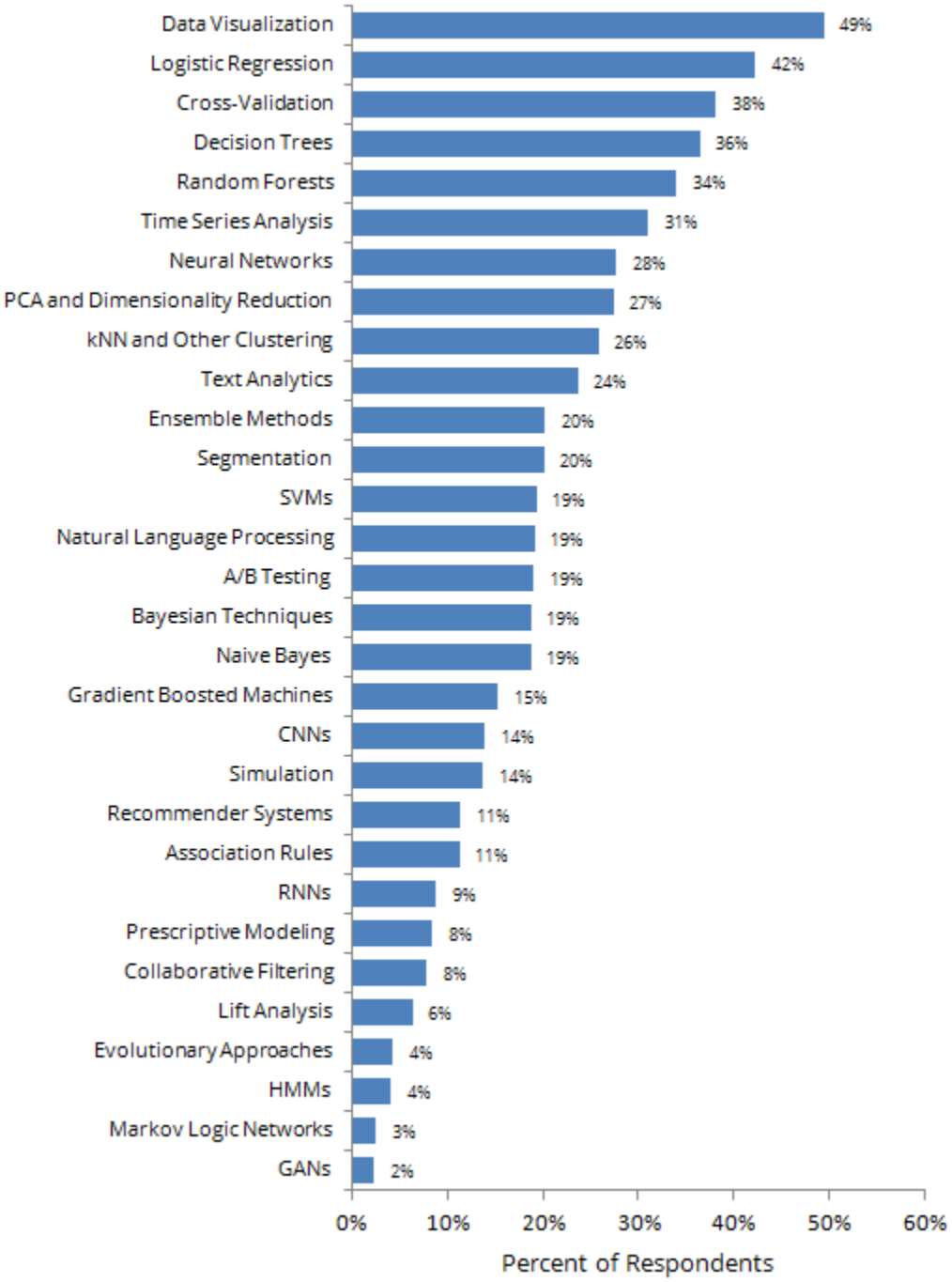
College : Dr B R Ambedkar National Institute of Technology

Prediction Algorithm
Rating: A+ Remarks: Well researched and optimized choice of algorithm

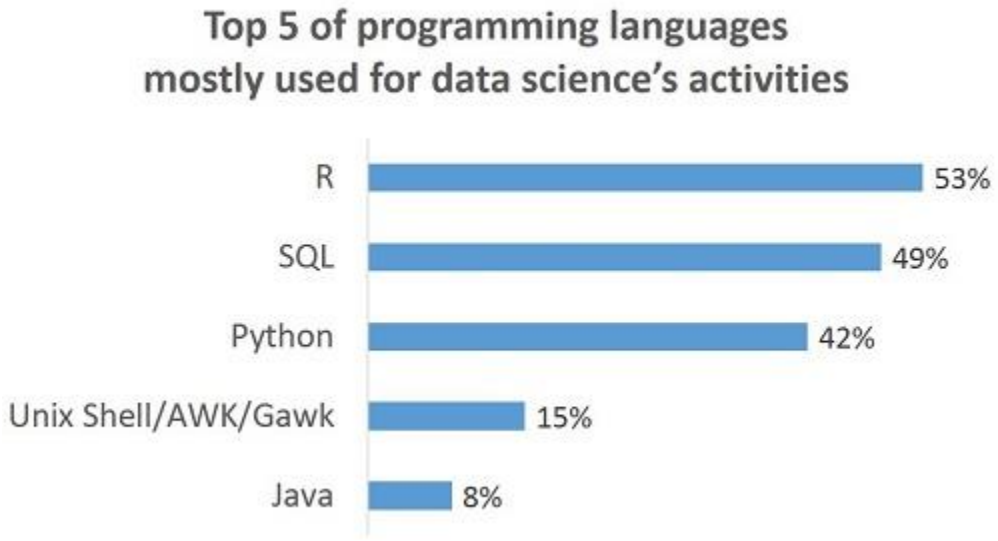
Time-series Algorithm
Rating: A+ Remarks: Well researched and optimized choice of algorithm

Overall Accuracy
Rating: A+ Remarks: Optimum accuracy

Data Science Algorithms at work



ML Programming Languages



Top Python packages for Machine Learning

ML for beginners

ML Books

1. Machine Learning For Absolute Beginners by Oliver Theobald
2. Machine Learning (in Python and R) by John Paul Mueller
3. Machine Learning for Hackers by Drew Conway & John Myles
4. Basic Econometrics by Damodar N. Gujarati

ML Competitions

1. Flipr Hackathons : https://flipr.ai/hackathon/
2. Kaggle Competitions : https://www.kaggle.com/competitions
3. Driven Data : https://www.drivendata.org/

ML Websites to learn

1. Edx : https://www.edx.org/
2. Coursera : https://www.coursera.org/
3. Udemy : https://www.udemy.com/
4. Upgrad : https://www.upgrad.com/
5. Youtube Tutorials : https://www.youtube.com/watch?v=9f-GarcDY58