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# BoomBikes Project
. The BoomBikes is bike rental company, two years data is provided to
predict the factors that would help companies growth after the Covid
situtaion

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* Jupiter note book
* Python language,
* Build a model that could help business growth
*

## General Information
- Boombike is a rental company that rent out bikes for both registered
and casual bike riders
- we are trying to solve the problem by building a linear model to
analyze the factors or dependent variable that can help to us bring the
business back to the companies sustainability
- What is the dataset that is being used?
day.csv have the following fields:
    - instant: record index
    - dteday : date
    - season : season (1:spring, 2:summer, 3:fall, 4:winter)
    - yr : year (0: 2018, 1:2019)
    - mnth : month ( 1 to 12)
    - holiday : weather day is a holiday or not (extracted from
http://dchr.dc.gov/page/holiday-schedule)
    - weekday : day of the week
    - workingday : if day is neither weekend nor holiday is 1,
otherwise is 0.
    + weathersit :
        - 1: Clear, Few clouds, Partly cloudy, Partly cloudy
        - 2: Mist + Cloudy, Mist + Broken clouds, Mist + Few
clouds, Mist
        - 3: Light Snow, Light Rain + Thunderstorm + Scattered
clouds, Light Rain + Scattered clouds
        - 4: Heavy Rain + Ice Pallets + Thunderstorm + Mist, Snow
+ Fog
    - temp : temperature in Celsius
    - atemp: feeling temperature in Celsius
    - hum: humidity
    - windspeed: wind speed
    - casual: count of casual users
    - registered: count of registered users
    - cnt: count of total rental bikes including both casual and
registered

## Conclusions
- aTemp , Season_Winter, Month_September are the most contributing factors for the
business

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Technologies Used

- numpy
- pandas
- matplotlib
- seaborn
- sklearn

<!-- As the libraries versions keep on changing, it is recommended to mention the version of library used in this project -->

Acknowledgements

Give credit here.

- This project was inspired by...
- References if any...
- This project was based on [this tutorial](https://www.example.com).

Contact

Created by [@dinuGrad] - feel free to contact me!