**Project: Forecasting the Female Births**

**Project description:**

The problem is to forecast the daily number of female births in California. The dataset described a time-series of baby births in California over 12 months in 1959, and there are 365 observations.

Try it out with different Time series models and finally choose the best of it after comparison.

DATASET

<https://docs.google.com/spreadsheets/d/1JhJLsEeF4abTHbB4buSouoD4ENTDLocsgv8hW1wbDts/edit?usp=sharing>

**Evaluation Scheme:**

**Total marks:** **100**

**Deliverables [Total marks - 95]:**

1. Load the data into python 🡪 30 marks.
2. EDA on the timeseries data 🡪 20 marks.
3. Check for stationarity and apply suitable methods if it’s not stationary🡪 20 marks.
4. Build forecasting timeseries models 🡪 20 marks.
5. Predict the female births for a specific period with model trained 🡪 5 marks.

**Project Submission [Total marks - 5]:**

1. Once the project has been created, upload all the files on GitHub & commit (save) all the changes, make sure you add a readme file containing detailed description of your thoughts during the project creation. **[3 marks]**
2. Once done, kindly copy the GitHub link of your project & submit the same using your dashboard. **[2 mark]**