Article type: Project

**Exploratory Data Analysis Challenge**

**Task**

In this exercise, you are given a [***dataset with claims data***](https://docs.google.com/spreadsheets/d/12o1iofQx6V-UhInjUjLjpKxx3Z8ve8EGxnQtzNioIv4/edit?usp=sharing)**.** You need to perform an Exploratory Data Analysis and present your results to business users (e.g. interactive dashboard, notebook, or some other tool of your choice).

Business users are interested to see trends and anomalies in the data as well as projections for the upcoming 6 months.

**Note:** Claims are expenses that insurance companies have to pay for medical services provided to patients.

**Dataset**

[***This dataset***](https://docs.google.com/spreadsheets/d/12o1iofQx6V-UhInjUjLjpKxx3Z8ve8EGxnQtzNioIv4/edit?usp=sharing)is a sampled aggregated data for the period of 2018/01 - 2020/07 (numbers are fictional).

The dataset contains the following columns:

* MONTH - a month claims were lodged
* SERVICE\_CATEGORY - a department that provided services to patients
* CLAIM\_SPECIALTY - a type of medical services by an official classification system
* PAYER - an insurance company
* PAID\_AMOUNT - sum of expenses (claims), $

**Requirements**

* Python 3+
* Open-source libraries
* [Optional] Use Docker

**Hints**

* Kaggle EDA’s as a reference
* Flask / FastAPI / plotly / bokeh / dash / etc.
* Perform any necessary data clean up
* For additional interactivity, you can use filtering data on the fly, pivoting data, etc.

**How to submit**

Please upload the code for this project to GitHub, post a link to your repository below and give instructions on how to set up a local environment and run your code.

Your submissions (0)

Submit your answer



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