In this exercise we are providing you an example of financial data (all numbers are fictional).

**Deadline** is 10 days after you received this test.

**Test Exercise | Exploratory Data Analysis**

You are required to analyze claims data. Claims are expenses that our company has to pay for medical services provided to patients. Data is sampled and aggregated for the period of 2018/01 - 2020/07.

All claims are described by

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

Tasks

* Find data insights
  + Trends
  + Volume by different dimensions
  + Etc.
* Present your results using tools that you are most familiar with
* (Optional) Use Docker to present your results
* (Nice to have) Your results should have some interactivity. E. g. filtering data on the fly, pivoting data, etc.

Requirements

* Python 3+
* Open source libraries

Hints

* Kaggle EDA’s as a reference
* Flask / FastAPI / plotly / bokeh / dash / etc.
* Normalize categories