

## Stage Zero Task: Analyzing a Dataset and Writing a “First Glance” Technical Report Article

As part of your data analysis internship, you will be provided with a dataset to review. Your task is to examine the dataset, identify initial insights at **first glance**, and write a brief technical report detailing your observations. This exercise will help you develop skills in quickly interpreting data and communicating your findings.

### Dataset Options:

Titanic Passenger List

**Link:** [Titanic Dataset on Kaggle](#)

Iris Flower Dataset

**Link:** [Iris Dataset on UCI Machine Learning Repository](#)

Retail Sales Data

**Link:** [Retail Dataset on Kaggle](#)

### Objectives

Review any of the provided dataset.

Identify initial insights from the data at first glance.

Write a brief technical report detailing your observations.

### Steps to Complete the Task

#### Dataset Familiarization:

Open one of the provided dataset to understand its structure and contents.

Identify the key variables and data types (e.g., numerical, categorical).

#### Initial Data Exploration:

Conduct a quick review of the dataset without deep analysis.

Look for obvious patterns, trends, or anomalies in the data.

#### Insight Identification:

Note any initial insights that can be immediately observed from the dataset.

#### Technical Report Writing:

Write a brief technical report that includes:

**Introduction:** Briefly describe the dataset and the purpose of the review.

**Observations:** Present the initial insights you identified, supported by basic visualizations or summary statistics if necessary.

**Conclusion:** Summarize your observations and suggest potential areas for further analysis.

#### Review and Submission:

Proofread and edit your technical report for clarity and accuracy.

Publish your article on any online blog platform.

Submit the final technical report article link for review.

Submission Link: <https://forms.gle/xjqFgPJGQfLk728W9>

### Acceptance Criteria

#### Data Review:

Conduct a quick review of the dataset to identify initial insights.

Present at least three initial observations from the data.

#### Technical Report:

The report should be well-structured, including an introduction, observations, and conclusion.

It **MUST** include at least two **links** to the HNG Internship websites; choose from any of <https://hng.tech/internship>, <https://hng.tech/hire>, or <https://hng.tech/premium> so others can learn more about the program.

Include at least one basic visualization (e.g., a simple chart or graph) to support your observations if necessary.

The report should be concise, around 400 words long.

Submit the report by 11:59PM Saturday.