**DS04 Activity 3: Create New Experiment**

**Task 1: Sign in to Azure Machine Learning Workspace**

* The initial step involved signing in to the Azure Machine Learning Workspace, gaining access to the necessary tools and resources.

**Task 2: Create a new experiment**

* A new experiment was created with an appropriate name, such as "Flights Challenge." This step established a workspace for the project.

**Task 3: Add the Flights Delay Data sample dataset**

* The Flights Delay Data sample dataset was added to the experiment, enabling access to the dataset's content. The data was then visualized to understand its structure and characteristics.

**Task 4: Answer specific questions**

* How many rows are in the dataset?
* What is the mean value of the ArrDelay column?

Include screen shots of task of Activity 3 in the Project Report

A screenshot of a computer

Description automatically generated

In our analysis, we observed that the dataset contains 2,719,418 rows and 14 columns.

The calculated mean value for the "ArrDelay" is 6.6377, which provides an important measure of central tendency for this dataset.