# databricks2023-08-27 - How to upload File DBFS Example

(https://databricks.com)

## Overview

This notebook will show you how to create and query a table or DataFrame that you uploaded to DBFS. DBFS (https://docs.databricks.com/user-guide/dbfs-databricks-file-system.html) is a Databricks File System that allows you to store data for querying inside of Databricks. This notebook assumes that you have a file already inside of DBFS that you would like to read from.

This notebook is written in **Python** so the default cell type is Python. However, you can use different languages by using the `%LANGUAGE` syntax. Python, Scala, SQL, and R are all supported.

```
# File location and type
file_location = "/FileStore/tables/airline_safety-1.csv"
file_type = "csv"

# CSV options
infer_schema = "false"
first_row_is_header = "false"
delimiter = ","

# The applied options are for CSV files. For other file types, these will be ignored.
df = spark.read.format(file_type) \
  .option("inferSchema", infer_schema) \
  .option("header", first_row_is_header) \
  .option("sep", delimiter) \
  .load(file_location)

display(df)
```

Table

| | _c0 | _c1 | _c2 | _c3 | _c4 | _c5 |
|---|---|---|---|---|---|---|
| 1 | airline | avail_seat_km_per_week | incidents_85_99 | fatal_accidents_85_99 | fatalities_85_99 | incidents_00_14 |
| 2 | Aer Lingus | 320906734 | 2 | 0 | 0 | 0 |
| 3 | Aeroflot* | 1197672318 | 76 | 14 | 128 | 6 |
| 4 | Aerolineas Argentinas | 385803648 | 6 | 0 | 0 | 1 |
| 5 | Aeromexico* | 596871813 | 3 | 1 | 64 | 5 |
| 6 | Air Canada | 1865253802 | 2 | 0 | 0 | 2 |
| 7 | Air France | 3004002661 | 14 | 4 | 79 | 6 |

57 rows

```
# Create a view or table

temp_table_name = "airline_safety-1_csv"

df.createOrReplaceTempView(temp_table_name)
```

```
AnalysisException: Invalid view name: airline_safety-1_csv.
```

```
%sql

/* Query the created temp table in a SQL cell */

select * from `airline_safety-1_csv`
```