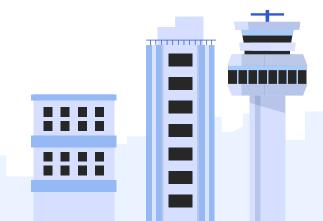
Proyecto Final Ciencia de datos en Python

23006763 – Enrique Rodriguez 23006811 – Mónica Velásquez







Creación de usuario en AWS





Iniciar sesión como usuario de IAMI

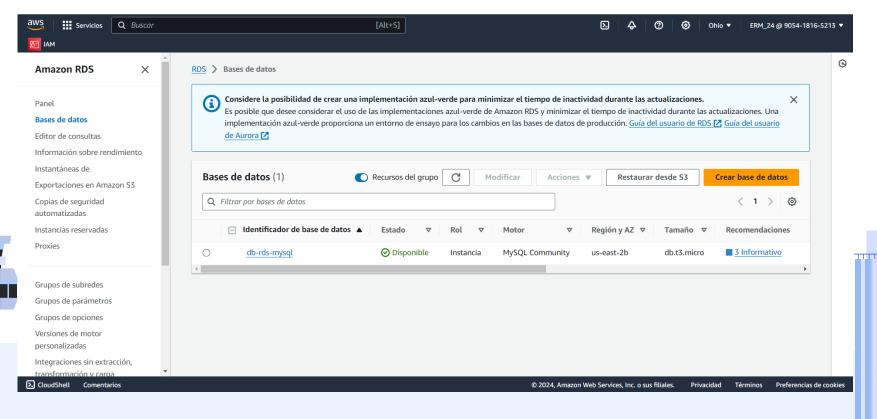
ID de cuenta (12 dígitos) o alias de cuenta
905418165213
Nombre de usuario:
ERM_24
Contraseña:
······
Recordar esta cuenta
Iniciar sesión
Iniciar sesión con el email del usuario raíz
¿Olvidó la contraseña?







Creación de base de datos en RDS de AWS





Dimensiones:

Fact table:

- Airlines
- Planes
- Airports
- Weather

Flights

```
DBeaver 24.0.2 - proyectofinal_bd> Script
 Archivo Editar Navegar Buscar Editor SQL Base de Datos Ventana Ayuda
  🐈 🔻 🖖 🐉 🛂 SQL 🔻 🖫 Commit 🖫 Rollback 🏋 🔻 🔞 Auto 🐶 🔻 🖔 proyectofinal bd 🔻 🛢 proyectofinal bd
                                                                                                                    Ingrese parte del nombre de un objeto aguí
                                                                                                                                                                                           OCREATE TABLE airports (
                                                                                                                                                                                                              faa VARCHAR (3) PRIMARY KEY,
 DBeaver Sample Database (SQLite)
                                                                                                                                                                                                            name VARCHAR (255),
🗸 🏲 proyectofinal_bd - db-rds-mysql.c3e6a8uoq4mw.us-east-2.rds.amazonaws.com:3.
                                                                                                                                                                                                            lat FLOAT,

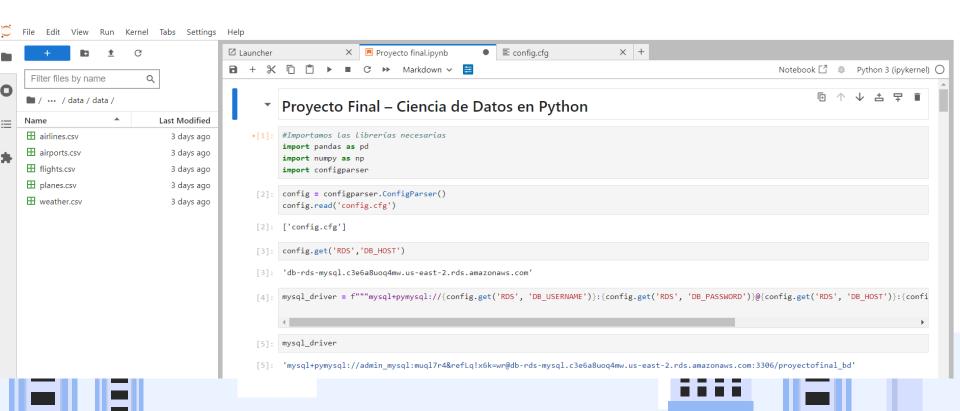
→ Image: Databases

                                                                                                                                                                                                            lon FLOAT,

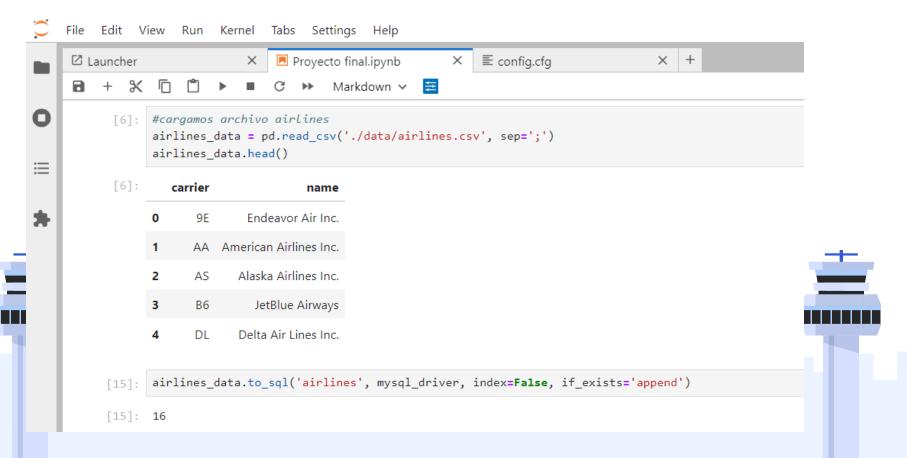
y ≡ proyectofinal bd

y ≡ proyectofinal
                                                                                                                                                                                                            alt INT,
                  v 🗎 Tables
                                                                                                                                                                                                            tz INT.
                        > == airlines
                                                                                                                                                                    16K
                                                                                                                                                                                                            dst VARCHAR(1),
                       airports
                                                                                                                                                                  160K
                                                                                                                                                                                                            tzone VARCHAR (255)
                                                                                                                                                                                                );
                       > == flights
                                                                                                                                                                    54M
                                                                                                                                                                  352K
                       planes
                        > == weather
                                                                                                                                                                  2.5M
                                                                                                                                                                                             OCREATE TABLE planes (
                  > 🔯 Views
                                                                                                                                                                                                            tailnum VARCHAR(10) PRIMARY KEY,
                   > Indexes
                                                                                                                                                                                                            -- Assuming the planes CSV file uses ';' as a separator and includes these columns
                   Procedures
                                                                                                                                                                                                            vear INT.
                  > Triagers
                                                                                                                                                                                                            type VARCHAR (255),
                                                                                                                                                                                                            manufacturer VARCHAR (255),
                  > Events
                                                                                                                                                                                                            model VARCHAR (255),
            > SVS
                                                                                                                                                                                                            engines INT,
       > 🔼 Users
                                                                                                                                                                                                            seats INT,
       > 🔄 Administer
                                                                                                                                                                                                            speed INT,
       > E System Info
                                                                                                                                                                                                            engine VARCHAR (255)
```

Importar librerías y conexión de Python con MySQL

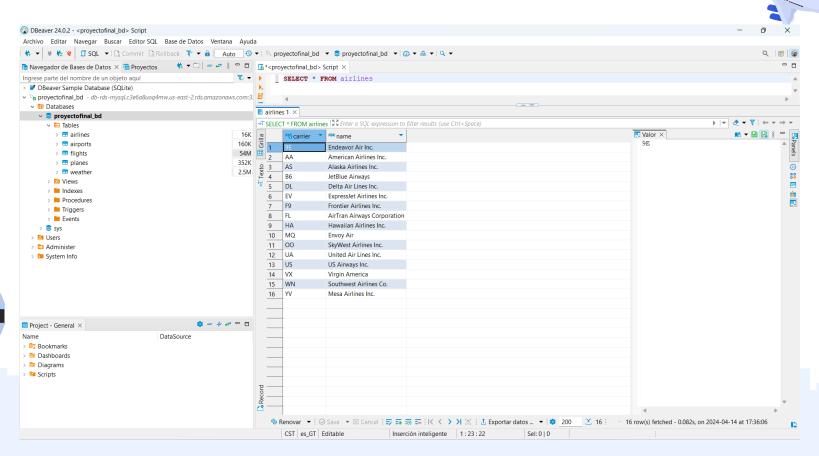


Carga de archivo airlines

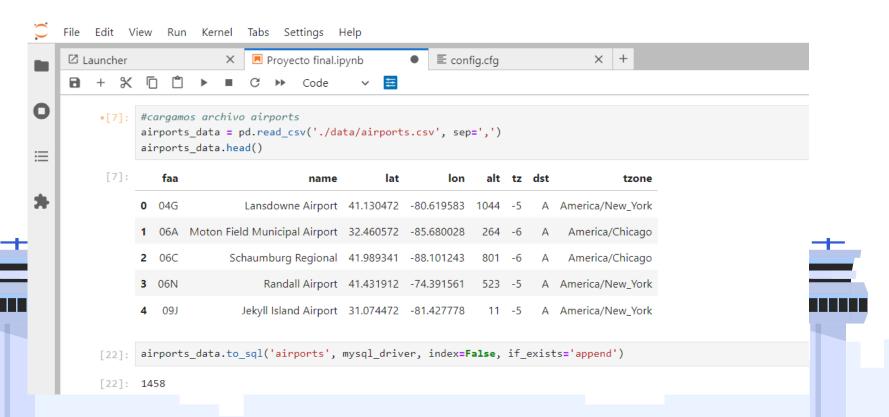




Traslado de datos de airlines

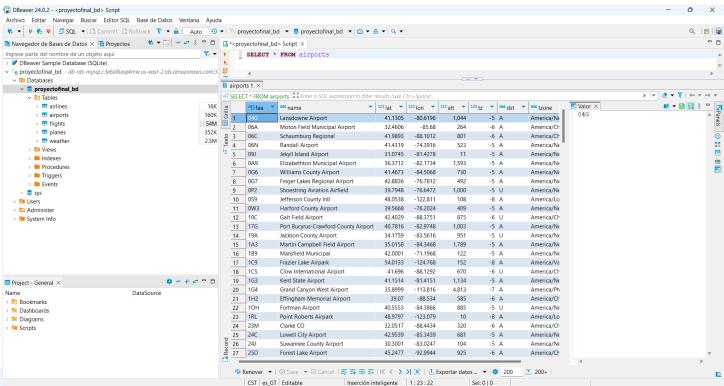


Carga de archivo airports

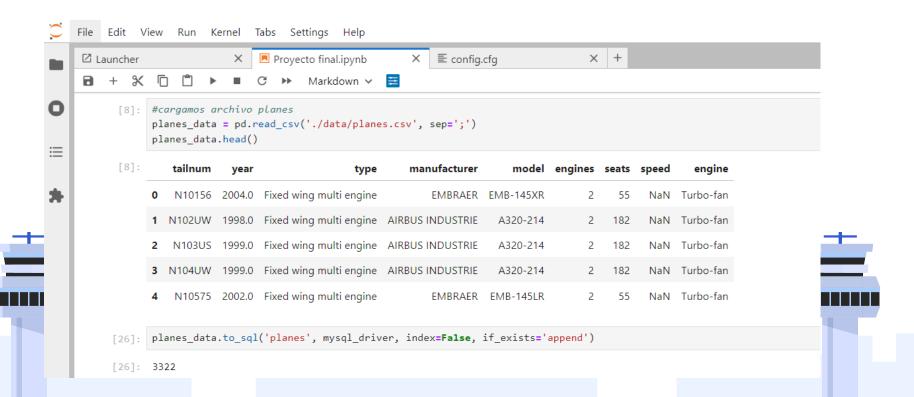








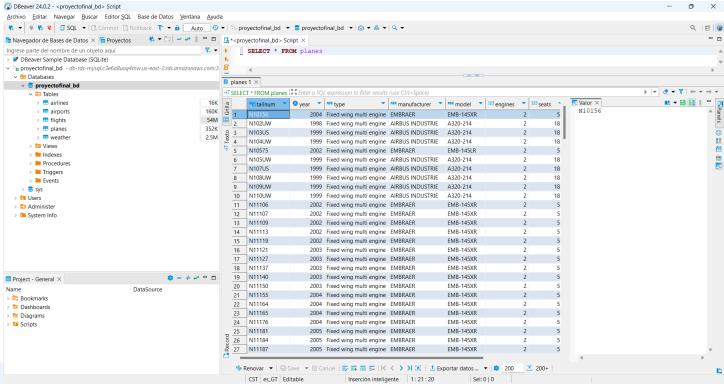
Carga de archivo planes



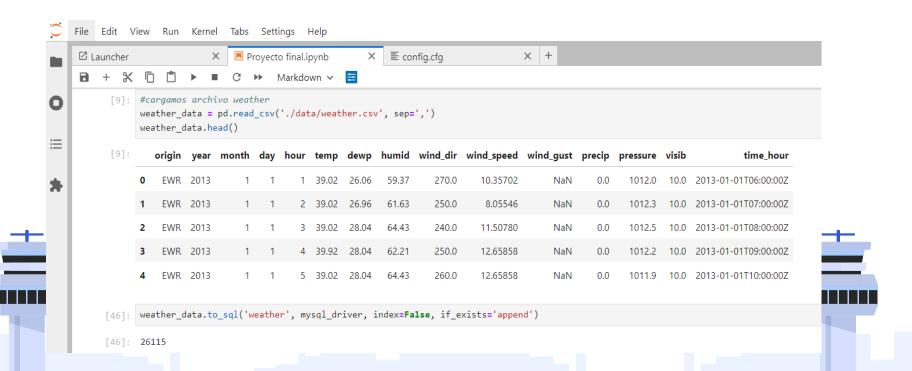


Traslado de datos de planes



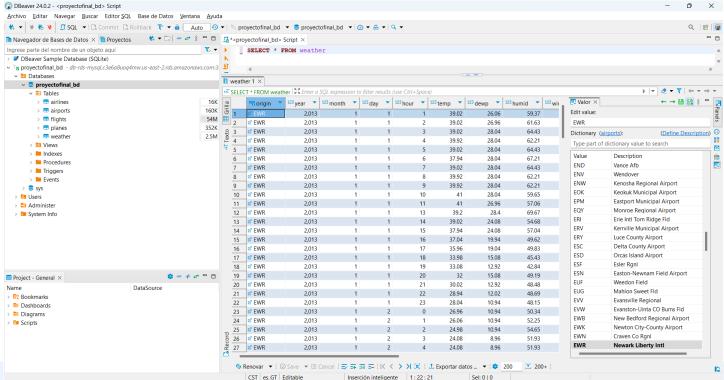


Carga de archivo weather

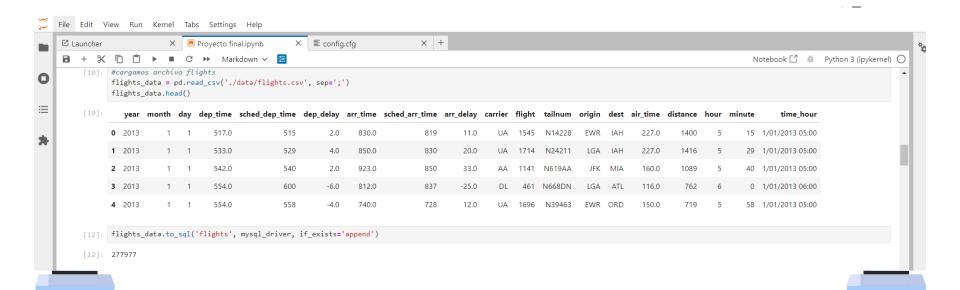




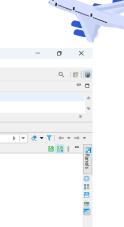


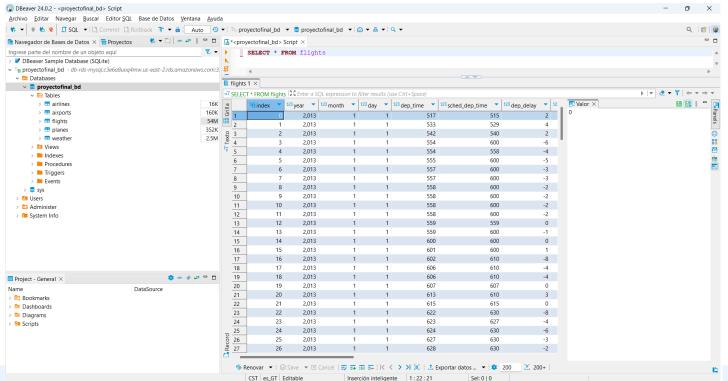


Carga de archivo airlines

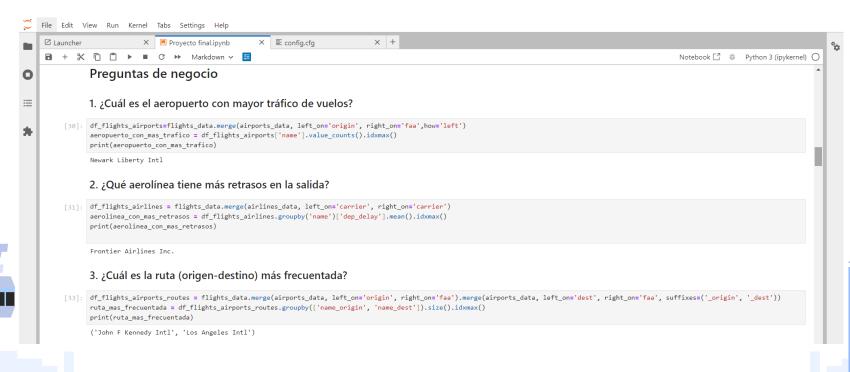








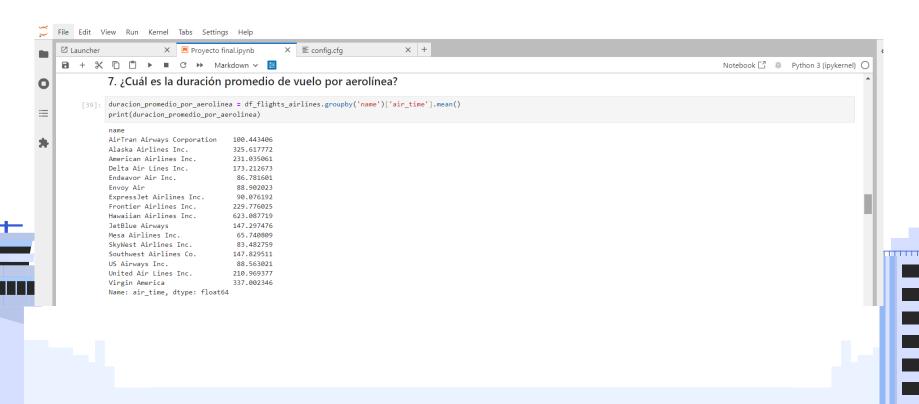
Preguntas de negocio



Preguntas de negocio

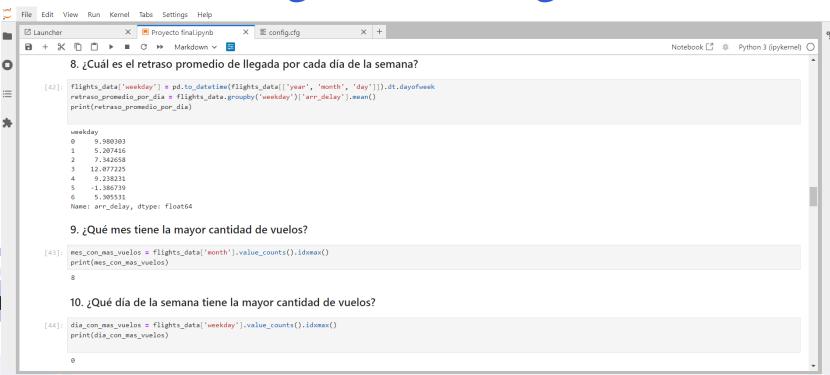




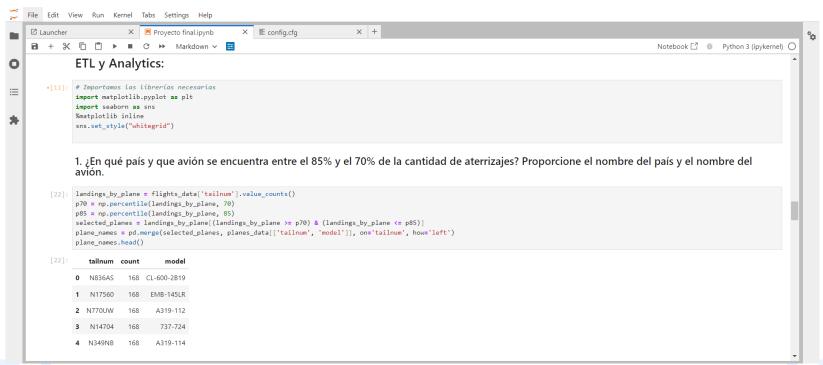




Preguntas de negocio



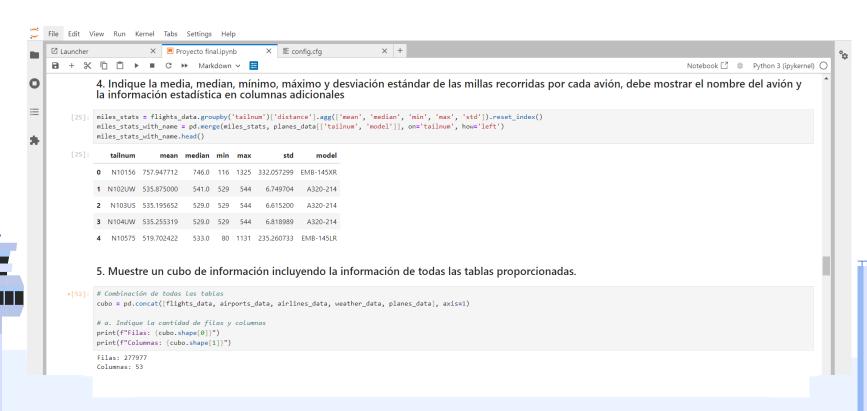










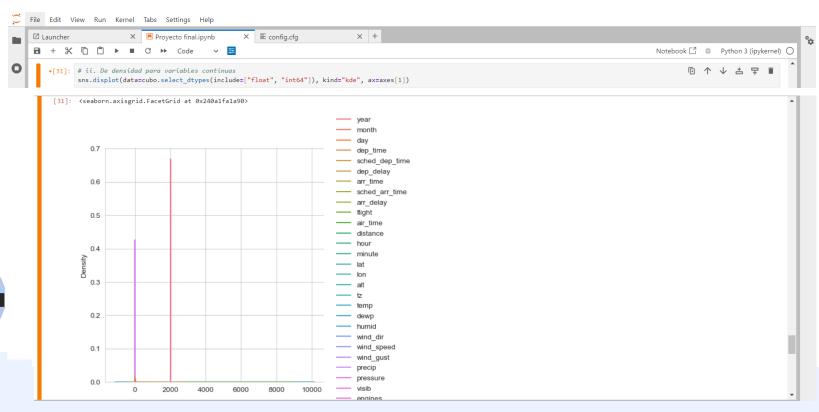




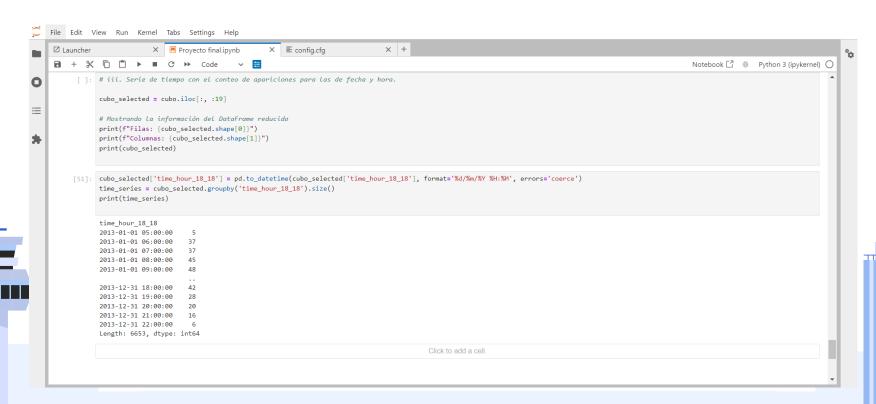


```
•[30]: # c. Muestre una gráfica
        fig, axes = plt.subplots(3, 1, figsize=(15, 10))
        # i. Grafía de barras para variables categóricas y discretas
        sns.countplot(x=cubo.select_dtypes(include=["category", "object"]).columns, ax=axes[0])
 [30]: <Axes: ylabel='count'>
           2.0
          1.5
          0.5
          0.0
                  carrier
                               tailnum
                                             origin
                                                          dest
                                                                    time hour
                                                                                    faa
                                                                                                name
                                                                                                              dst
                                                                                                                          tzone
                                                                                                                                                manufacturer
                                                                                                                                                                model
                                                                                                                                                                            engine
```











Gracias por su Atención



