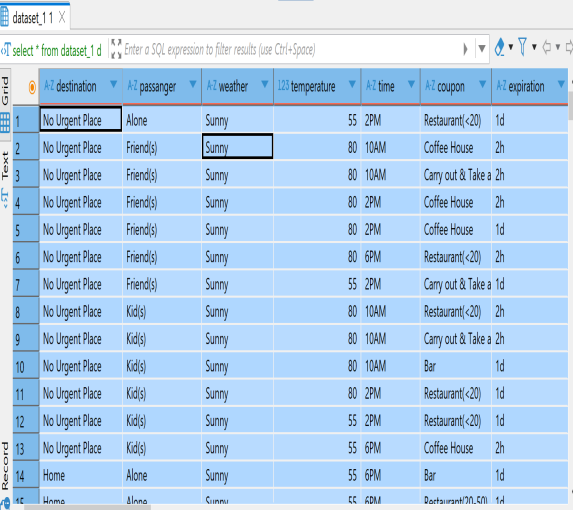
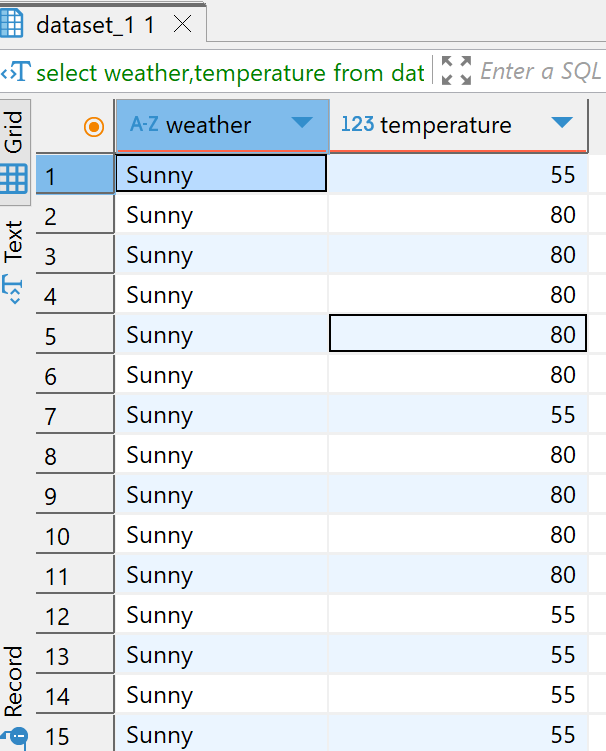
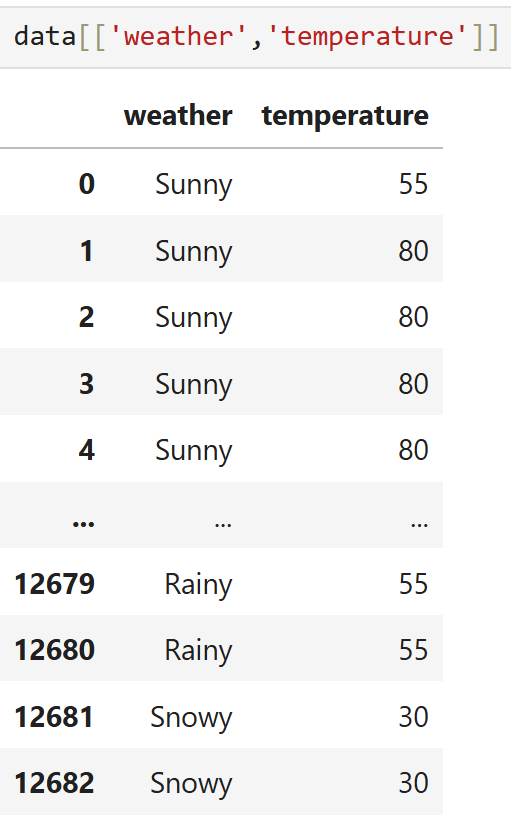
**SQL QUERIES ----------------------------------------------------------------PYTHON QUERIES**

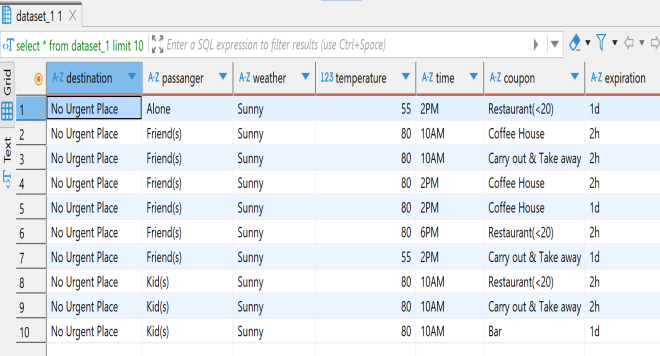
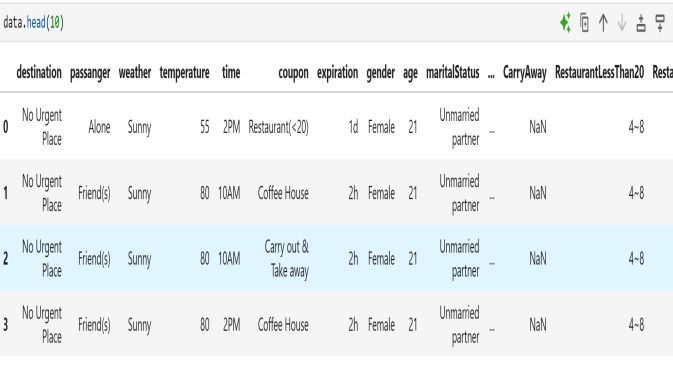
**🡪Select \* from dataset\_1** **🡪 data**



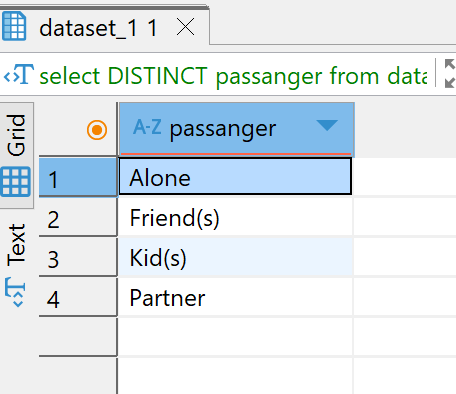
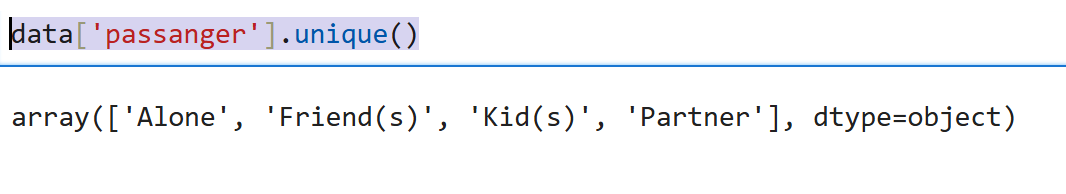
**🡪select weather,temperature from dataset\_1 🡪data[[‘weather’,’temperature’]]**

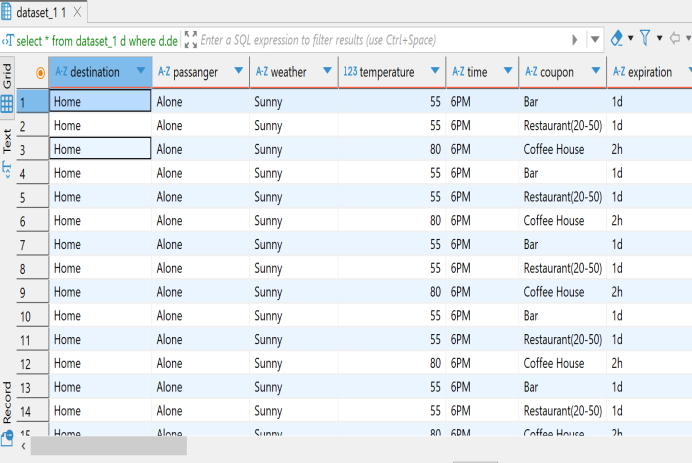
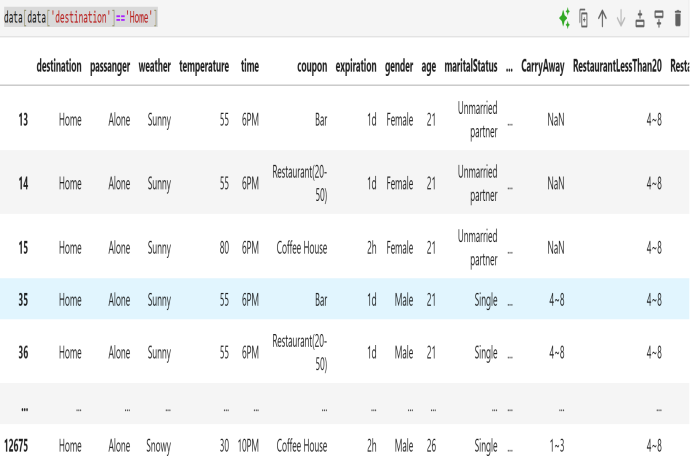
**🡪 select \* from dataset\_1 limit 10; 🡪data.head(10)**

** **

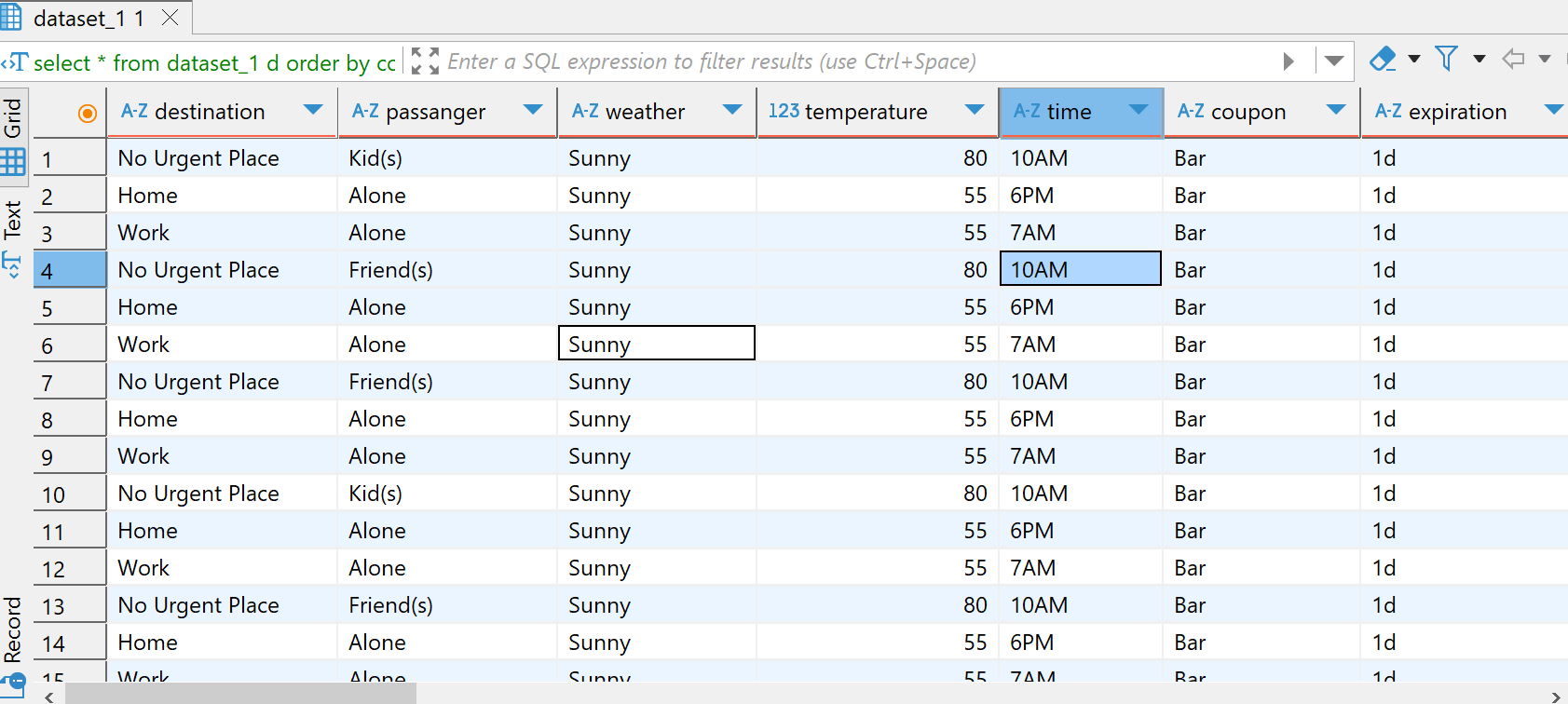
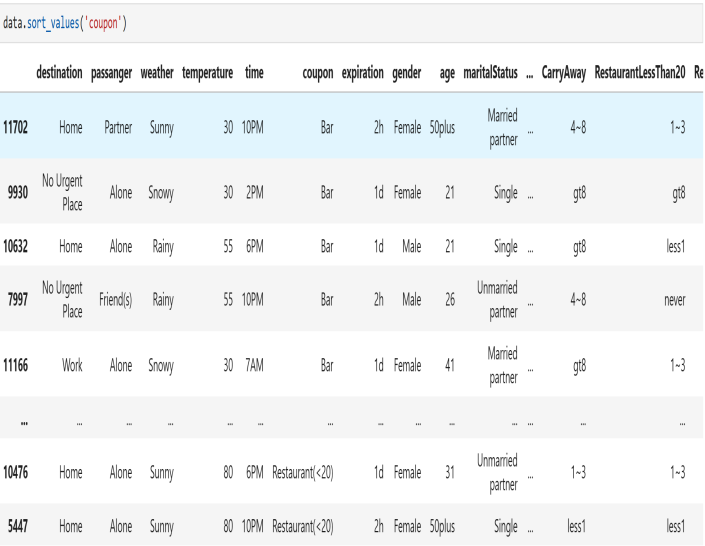
**🡪 select DISTINCT passanger from dataset\_1; 🡪 data['passanger'].unique()**

** **

**🡪Select \* from dataset\_1 where destination=’home’; 🡪 data[data['destination']=='Home']**

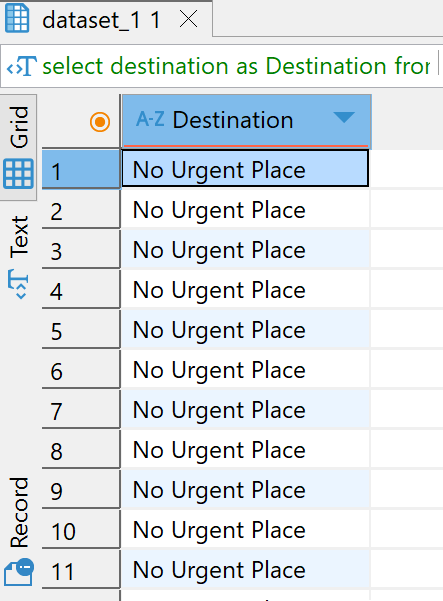
 

**🡪 select \* from dataset\_1 order by coupon ; 🡪data.sort\_values(‘coupon’)**

** **

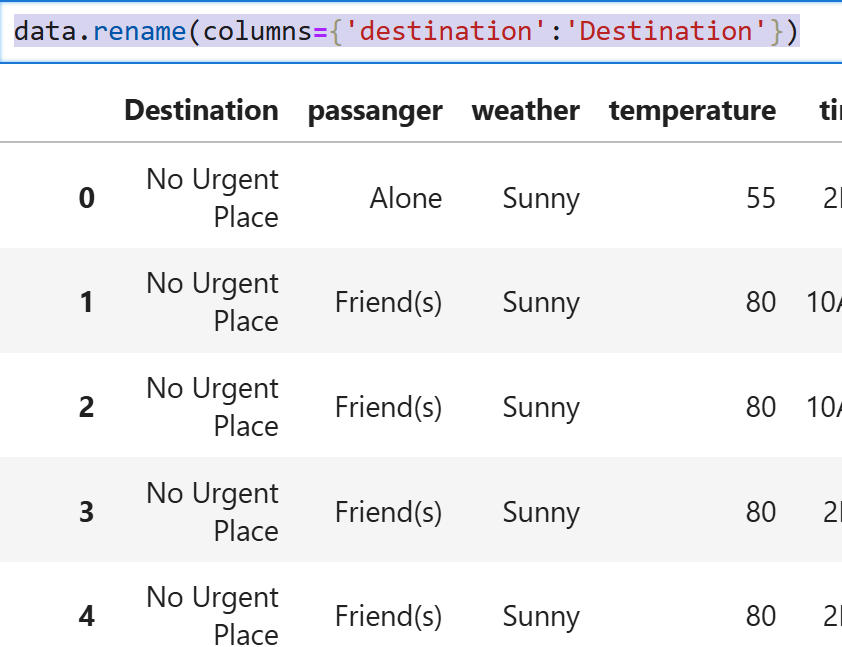
**SQL QUERIES**

**🡪 select destination as Destination from dataset\_1;**

****

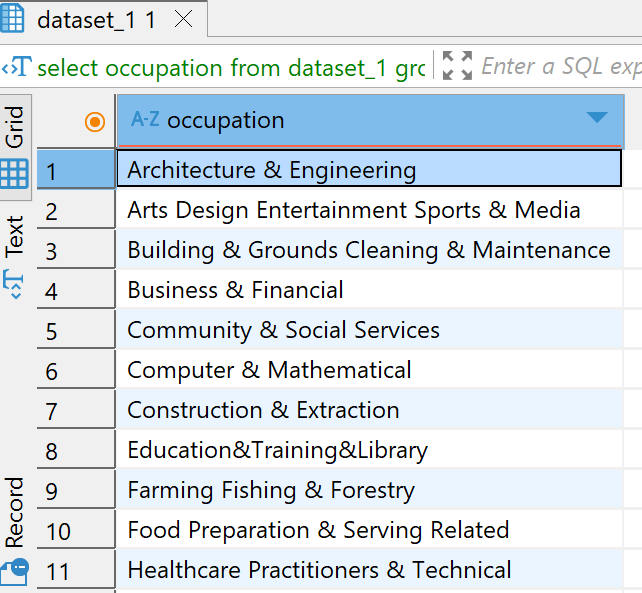
**PYTHON QUERIES**

* **data.rename(columns={'destination':'Destination'})**

****

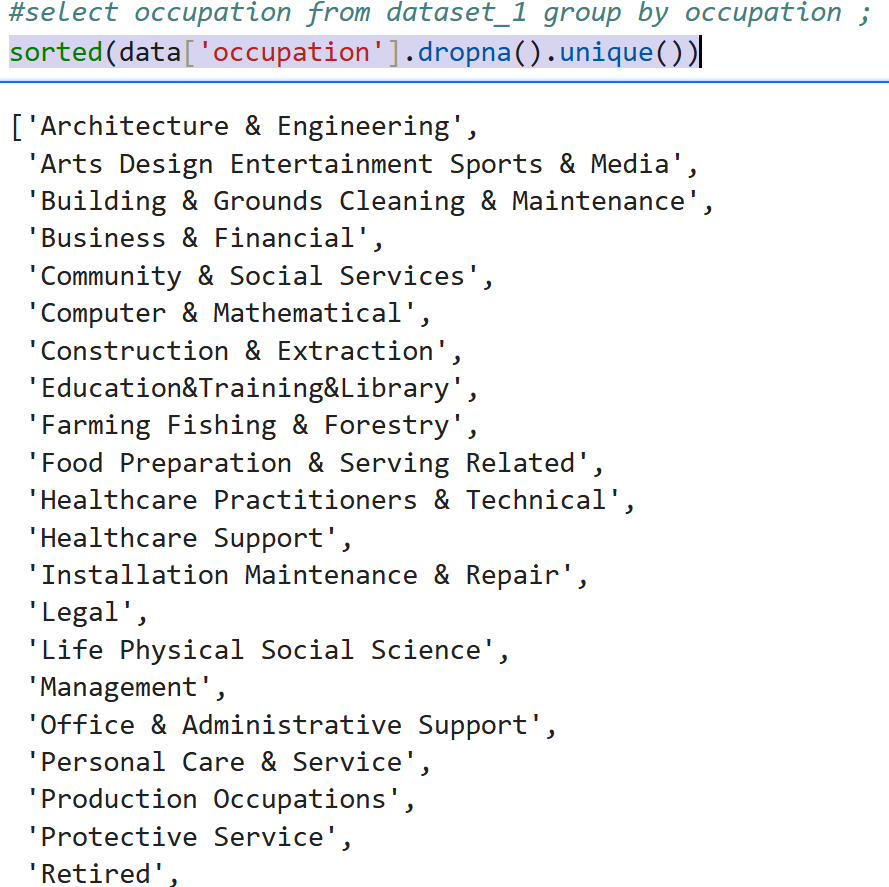
**SQL QUERIES**

**🡪select occupation from dataset\_1 group by occupation ;**

****

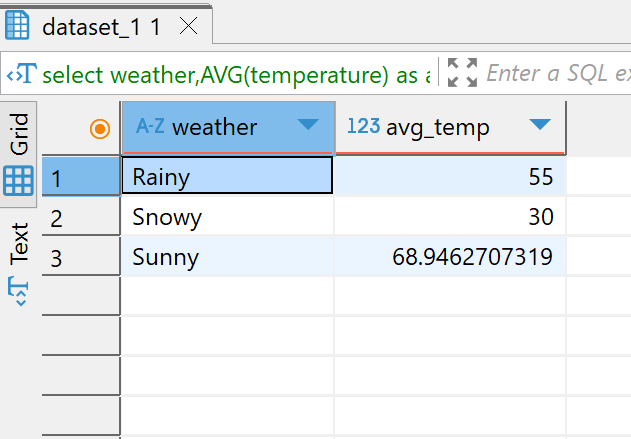
**PYTHON QUERIES**

**🡪sorted(data['occupation'].dropna().unique()**

****

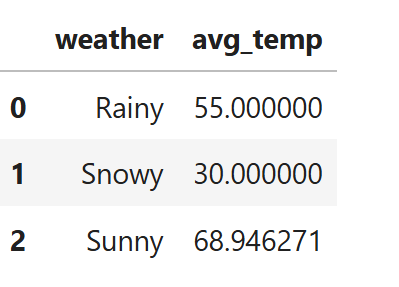
**SQL QUERIES**

* **select weather,AVG(temperature) as avg\_temp from dataset\_1 group by weather ;**

****

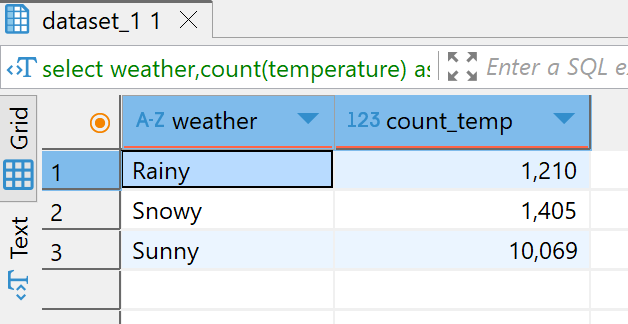
**PYTHON QUERIES**

* **data.groupby('weather')['temperature'].mean().to\_frame('avg\_temp').reset\_index()**

****

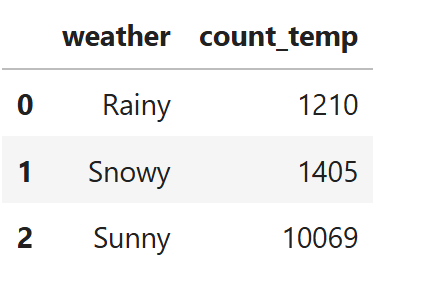
**SQL QUERIES**

* **select weather,count(temperature) as count\_temp from dataset\_1 group by weather ;**

****

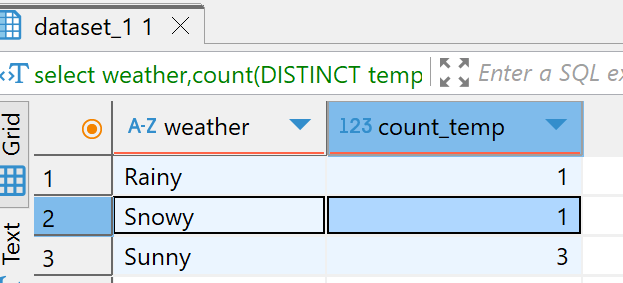
**PYTHON QUERIES**

* **data.groupby('weather')['temperature'].count().to\_frame('count\_temp').reset\_index()**

****

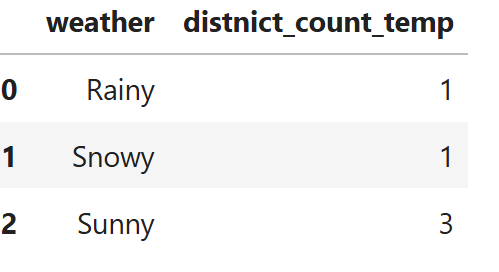
**SQL QUERIES**

* **select weather,count(DISTINCT temperature) as count\_temp from dataset\_1 group by weather ;**

****

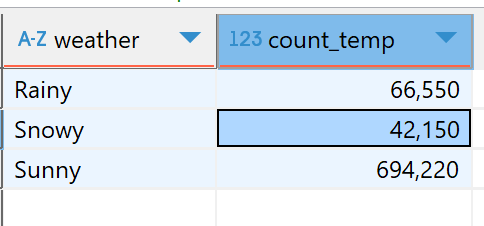
**PYTHON QUERIES**

* **data.groupby('weather')['temperature'].nunique().to\_frame('distnict\_count\_temp').reset\_index()**

****

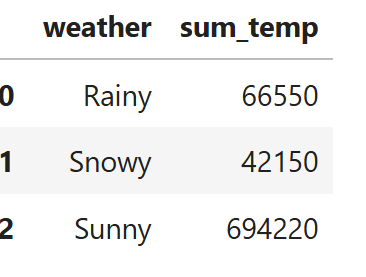
**SQL QUERIES**

* **select weather,sum(temperature) as count\_temp from dataset\_1 group by weather ;**

****

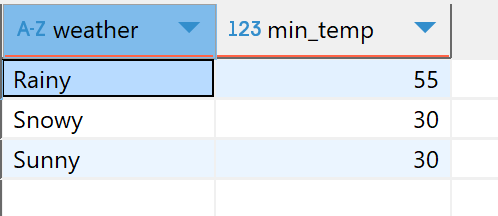
**PYTHON QUERIES**

* **data.groupby('weather')['temperature'].sum().to\_frame('sum\_temp').reset\_index()**



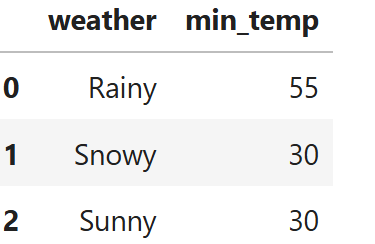
**SQL QUERIES**

* **select weather,min(temperature) as min\_temp from dataset\_1 group by weather ;**

****

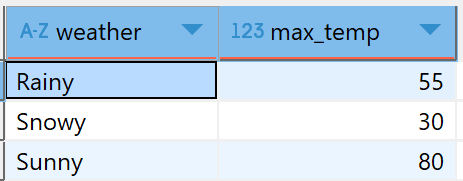
**PYTHON QUERIES**

* **data.groupby('weather')['temperature'].min().to\_frame('min\_temp').reset\_index()**

****

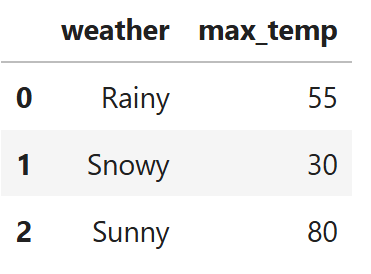
**SQL QUERIES**

* **select weather,max(temperature) as max\_temp from dataset\_1 group by weather ;**

****

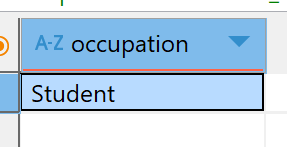
**PYTHON QUERIES**

* **data.groupby('weather')['temperature'].max().to\_frame('max\_temp').reset\_index()**

****

**SQL QUERIES**

* **select occupation from dataset\_1 group by occupation HAVING occupation='Student';**

****

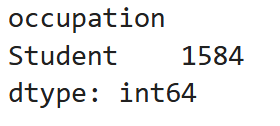
**PYTHON QUERIES**

* **data.groupby('occupation').filter(lambda x: x['occupation'].iloc[0] ==**

**'Student').groupby('occupation').size()**

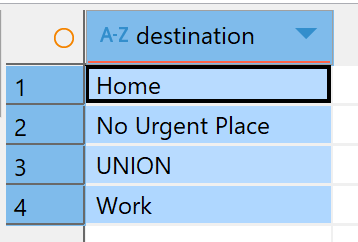
**(OR)**

* **data[data['occupation'] == 'Student'].groupby('occupation').size()**

****

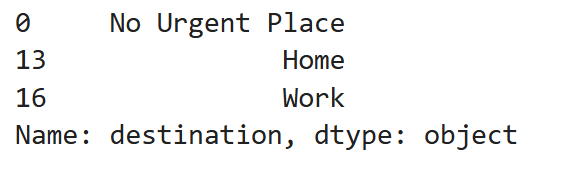
**SQL QUERIES**

* **SELECT DISTINCT destination FROM(SELECT \* FROM dataset\_1 UNION SELECT \* FROM table\_to\_union)**

****

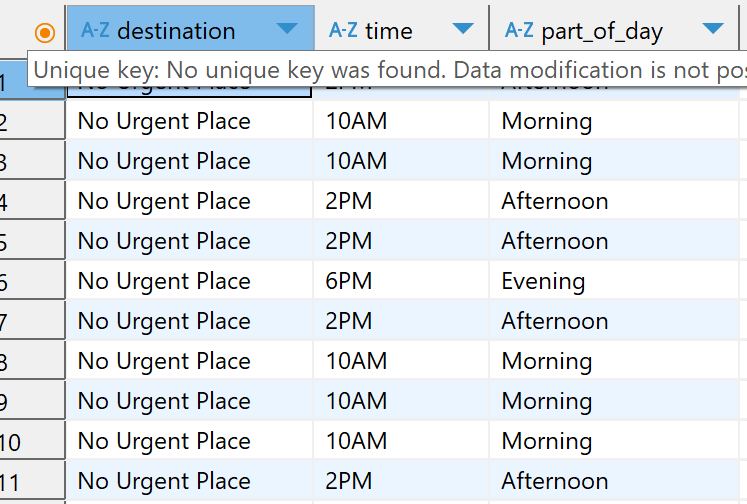
**PYTHON QUERIES**

* **pd.concat([data, table\_to\_union])['destination'].drop\_duplicates()**

****

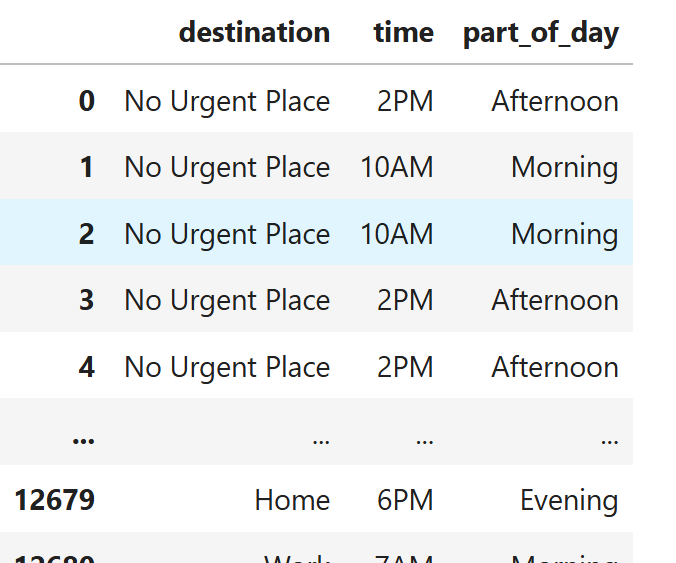
**SQL QUERIES (Inner join )**

* **select a.destination ,a.time,b.part\_of\_day from dataset\_1 a inner join table\_to\_join b on a.time =b.time;**

****

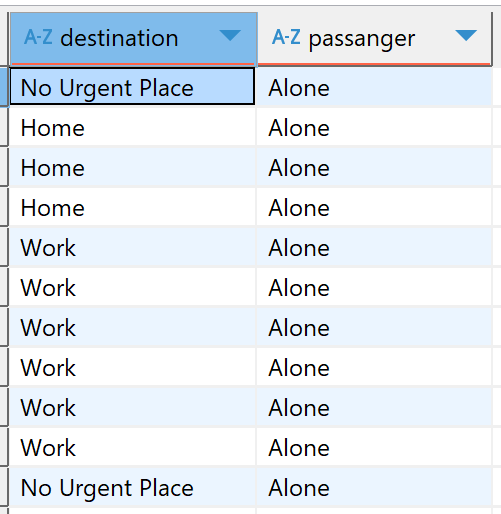
**PYTHON QUERIES**

* **pd.merge(data,table\_to\_join[['time','part\_of\_day']],on='time',how='inner')[['destination','time','part\_of\_day']]**

****

**SQL QUERIES**

* **select destination,passanger from (select \* from dataset\_1 where passanger ='Alone');**

****

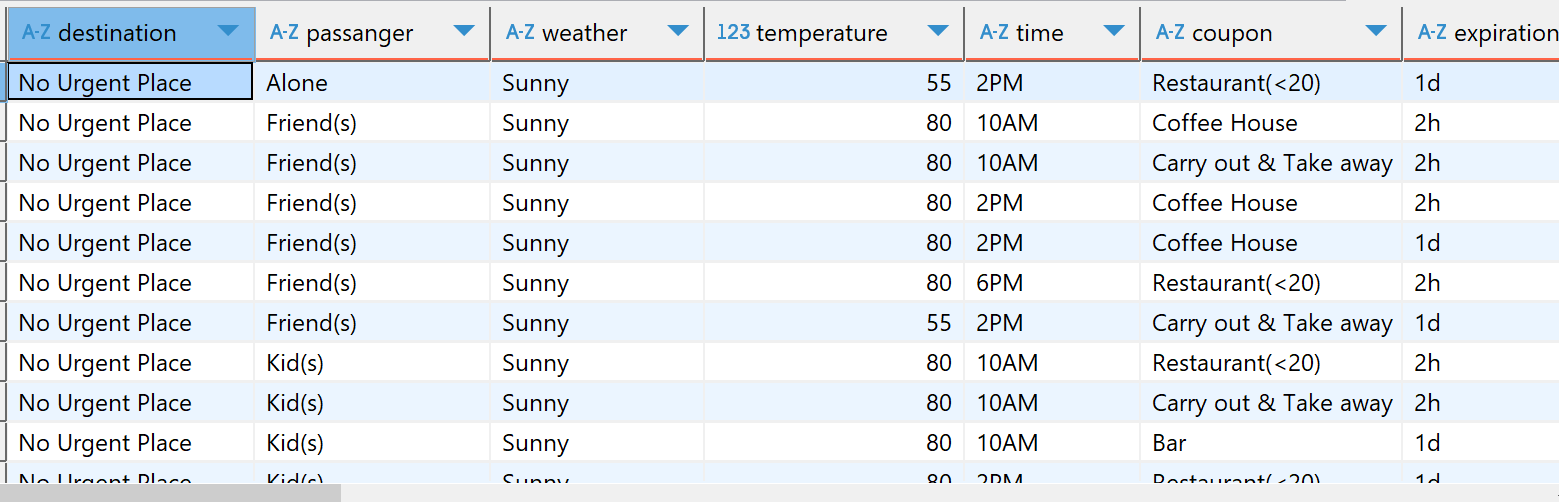
**PYTHON QUERIES**

* **data[data['passanger']=='Alone'][['destination','passanger']]**

****

**SQL QUERIES**

* **select \* from dataset\_1 d where d.weather like 'Sun%';**

****

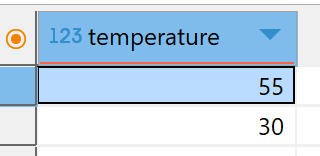
**PYTHON QUERIES**

* **data[data['weather'].str.startswith('Sun')]**

****

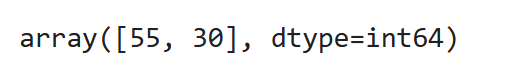
**SQL QUERIES**

* **select DISTINCT temperature from dataset\_1 where temperature between 29 and 75;**

****

**PYTHON QUERIES**

* **data[(data['temperature']>=29) & (data['temperature']<=75)]['temperature'].unique()**

****

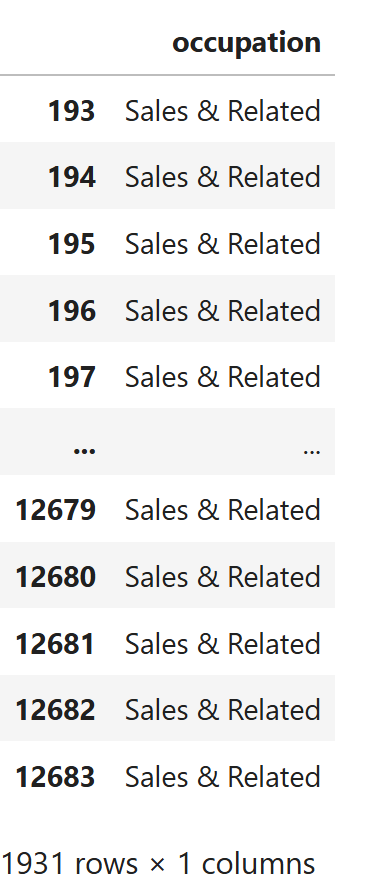
**SQL QUERIES**

* **select occupation from dataset\_1 where occupation in('Sales & Related','Management');**

****

**PYTHON QUERIES**

* **data[data['occupation'].isin(['Sales & Related','Management'])][['occupation']]**

****