

Import Date Table Data and Load it into the Database

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In [2]: import pandas as pd
        from sqlalchemy import create_engine
```

```
In [8]: #read the csv

df_date = pd.read_csv("../Resources/Date.csv", index_col='date_id')
df_date.head(10)
```

Out[8]:

	year	month	quarter	season
date_id				
0	2001	1	1	WIN
1	2001	2	1	WIN
2	2001	3	1	SPR
3	2001	4	2	SPR
4	2001	5	2	SPR
5	2001	6	2	SUM
6	2001	7	3	SUM
7	2001	8	3	SUM
8	2001	9	3	AUT
9	2001	10	4	AUT

Load Data into Postgres

```
In [9]: # Create database connection
        connection_string = "postgres:postgres@localhost:5432/ETL_Project"
        engine = create_engine(f'postgresql://{connection_string}')
```

```
In [10]: # Confirm tables
        engine.table_names()
```

Out[10]: ['Date', 'Demand_MillionKWH', 'Price_CentsPerKWH', 'Supply_ThousandMWH']

```
In [11]: # Load DataFrame into database
        df_date.to_sql(name='Date', con=engine, if_exists='append', index=True)
```

```
In [ ]:
```