

Accessing MySQL from Python

DSCI 551

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Installing packages

- `pip install sqlalchemy`
- `pip install pymysql`
- `pip install pandas`

Using dataframe in Pandas

```
import sqlalchemy
import pymysql
pymysql.install_as_MySQLdb()
import pandas as pd

my_conn =
sqlalchemy.create_engine("mysql+mysqldb://root:Dsci-
551@localhost/dsci551")
beers = pd.read_sql('select * from Beers', my_conn)
beers
```

| | name | manf |
|---|------------|----------------|
| 0 | Bud | Anheuser-Busch |
| 1 | Bud Lite | Anheuser-Busch |
| 2 | Budweiser | Heineken |
| 3 | Michelob | Anheuser-Busch |
| 4 | Summerbrew | Pete's |

Using dataframe in Pandas

```
>>> beers.to_sql('mybeers', my_conn, index=False)
>>> # this will create a table called mybeers with content
in beers
```