

# Accessing MySQL from Python

DSCI 551

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# Installing packages

- `sudo apt install python3-sqlalchemy`
- `sudo apt install python3-pymysql`
- `sudo apt install python3-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
```