

Untitled

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# Connect R to postgresql

```
con <- dbConnect(RPostgres::Postgres(),  
                 host = "localhost",port="5432",  
                 user = "postgres", dbname = "Northwind",  
                 password =my_pass )  
tables<-dbListTables(con)  
data.frame(tables=tables)
```

```
      tables  
1 categories  
2  products  
3  suppliers  
4  employees  
5    orders  
6  customers  
7   shippers  
8 orderdetails
```

Database Northwind [https://en.wikiversity.org/wiki/Database\\_Examples/Northwind/PostgreSQL](https://en.wikiversity.org/wiki/Database_Examples/Northwind/PostgreSQL)

<https://www.w3schools.com/sql/>

SQL SELECT Statement [https://www.w3schools.com/sql/sql\\_select.asp](https://www.w3schools.com/sql/sql_select.asp)

```
SELECT CustomerName, City FROM Customers LIMIT 3;
```

Table 1: 3 records

customername	city
Alfreds Futterkiste	Berlin
Ana Trujillo Emparedados y helados	México D.F.
Antonio Moreno Taquería	México D.F.

```
tbl(con,"customers") %>% select(customername, city) %>%  
  head(3)
```

```
# Source:   SQL [3 x 2]
```

```
# Database: postgres [postgres@localhost:5432/Northwind]
```

	customername	city
	<chr>	<chr>
1	Alfreds Futterkiste	Berlin
2	Ana Trujillo Emparedados y helados	México D.F.
3	Antonio Moreno Taquería	México D.F.

## show\_query()

```
tbl(con, "customers") %>% select(customername, city) %>%  
  show_query()
```

<SQL>

```
SELECT "customername", "city"  
FROM "customers"
```

SQL QUERY	dplyr CODE
SELECT * FROM customers	tbl(con, "customers")
SELECT CustomerName FROM Customers	tbl(con, "customers") %>% select(customername)
SELECT CustomerName, City FROM Customers	tbl(con, "customers") %>% select(customername, city)

END

```
dbDisconnect(con)
```