## Querying SQLite from R: Takeaways 🖻

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## **Syntax**

• Importing the RSQLite and DBI libraries:

```
library(RSQLite)
library(DBI)
```

• Connecting to a SQLite database:

```
conn <- dbConnect(SQLite(), "jobs.db")</pre>
```

• Listing the tables in the database:

```
dbListTables(conn)
```

• Executing a query with

```
dbGetQuery()
and
dbSendQuery()
:
dbGetQuery(conn, "SELECT * FROM recent_grads")
dbSendQuery(conn, "SELECT * FROM recent_grads")
```

· Looking at the results from

```
dbSendQuery()
:
dbFetch(results)
```

• Fetching the first five results:

```
dbFetch(results, n = 5)
```

• Clearing the result of

```
dbSendQuery()
dbClearResult(results)
```

• Closing the connection:

dbDisconnect(conn)

## **Concepts**

- SQLite is a database that doesn't require a standalone server and stores an entire database on a single computer.
- We can interact with SQLite database using RSQLite and DBI
- We write our SQL queries as character vectors to pass into **DBI** functions
- Always clear your results and close connections when you are finished

## Resources

- SQLite version 3
- RSQLite documentation
- DBI documentation



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