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DLI Accelerated Data Science Teaching Kit

Lecture 2.5 - SQLite as Simple, Effective Storage



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Data Storage

- How to store the data?
- What's the **easiest** way?

Easiest Way to Store Data

As comma-separated files (CSV)

But may not be easy to parse. Why?

```
1997,Ford,E350
```

Easiest Way to Store Data

```
1997,Ford,E350
```

- Any field *may* be *quoted* (that is, enclosed within double-quote characters). Some fields *must* be quoted, as specified in following.

```
"1997","Ford","E350"
```

- Fields with embedded commas or double-quote characters must be quoted.

```
1997,Ford,E350,"Super, luxurious truck"
```

- Each of the embedded double-quote characters must be represented by a pair of double-quote characters.

```
1997,Ford,E350,"Super, ""luxurious"" truck"
```

- Fields with embedded line breaks must be quoted (however, many CSV implementations do not support embedded line breaks)



Most popular embedded database in the world

Well-known users: <http://www.sqlite.org/famous.html>
iPhone (iOS), Android, Chrome (browsers), Mac, etc.

Self-contained: one file contains data + schema

Serverless: database right on your computer

Zero-configuration: no need to set up!



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Thank You