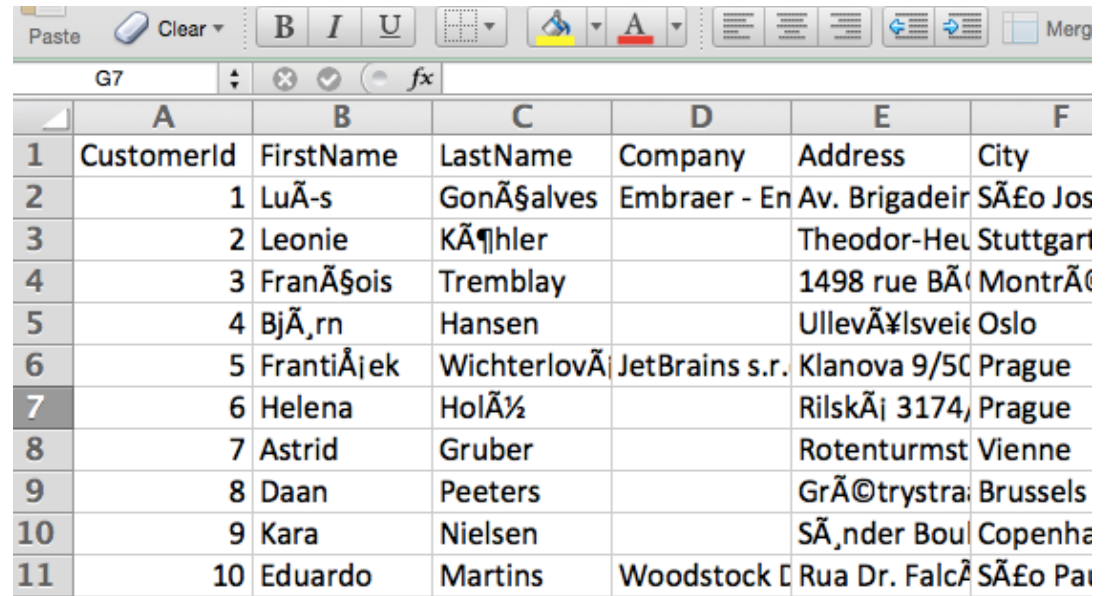


A Brief Intro To SQLite

Relational Databases, Rstudio, and You

Imagine a spreadsheet

- Familiar to most of us
- Relational database management systems (RDBMS) are pretty much like spreadsheets hooked together with extra stuff built in.
 - Multiple users
 - Transactions (“all-or-nothing”)
 - etc



A screenshot of a spreadsheet application interface. The top toolbar includes buttons for 'Paste', 'Clear', bold (B), italic (I), underline (U), a grid icon, a fill color icon, a text color icon, and a merge cells icon. Below the toolbar is a formula bar showing 'G7' and a function icon 'fx'. The spreadsheet grid has columns labeled A through F and rows numbered 1 through 11. The data in the grid is as follows:

	A	B	C	D	E	F
1	CustomerId	FirstName	LastName	Company	Address	City
2	1	Luís	Gonçalves	Embraer - En	Av. Brigadeir	São Jos
3	2	Leonie	Köhler		Theodor-Heu	Stuttgart
4	3	François	Tremblay		1498 rue B	Montréal
5	4	Björn	Hansen		Ullevål	Oslo
6	5	František	Wichterlová	JetBrains s.r.	Klanova 9/50	Prague
7	6	Helena	Holá		Rilská 3174	Prague
8	7	Astrid	Gruber		Rotenturmst	Vienne
9	8	Daan	Peeters		Gratiestraat	Brussels
10	9	Kara	Nielsen		Sørensen Boul	Copenhagen
11	10	Eduardo	Martins	Woodstock C	Rua Dr. Falcão	São Paulo

SQLite: All good and no bad

- SQLite gives us many of the advantages of RDBMSes without a lot of the headache, configuration, etc.
- It's just a file on your computer
- This means you can copy it, share it, etc without breaking any server setups

Use A GUI, not the CLI

- You can connect via terminal, but GUI is better
- I've been using Valentina Studio

Quick Example

[what you want to do] [relevant fields] [relevant table] [with which rows?]

```
SELECT City, State FROM Customer WHERE Country = "USA"
```

Lets dig in!