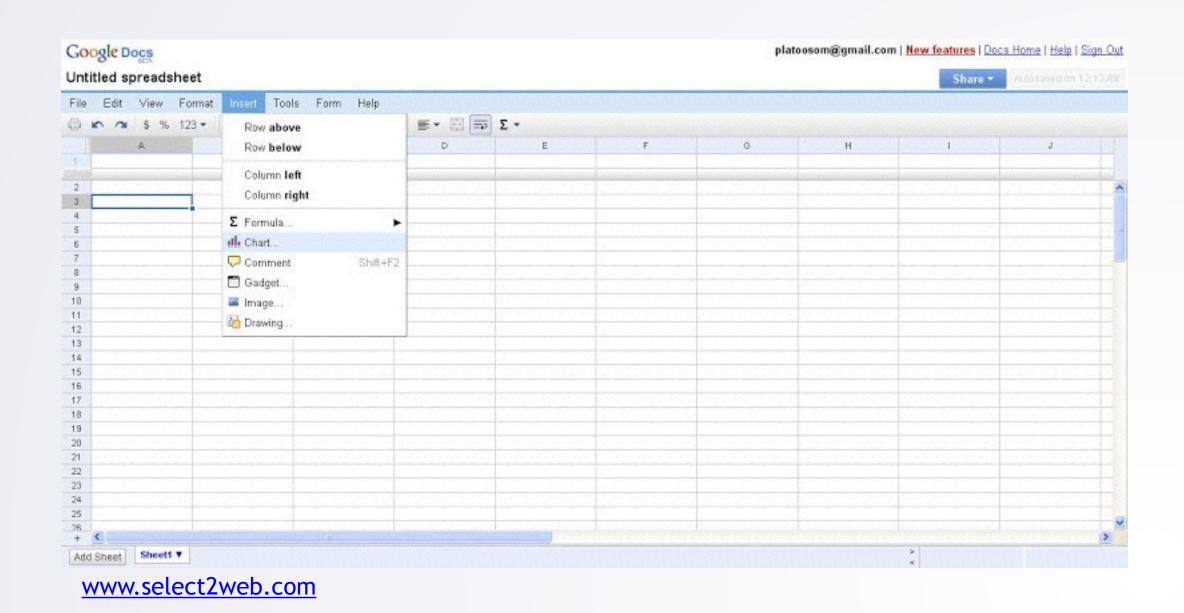
CSV Data

Comma Separated Values



Tabular Data: Common and Useful



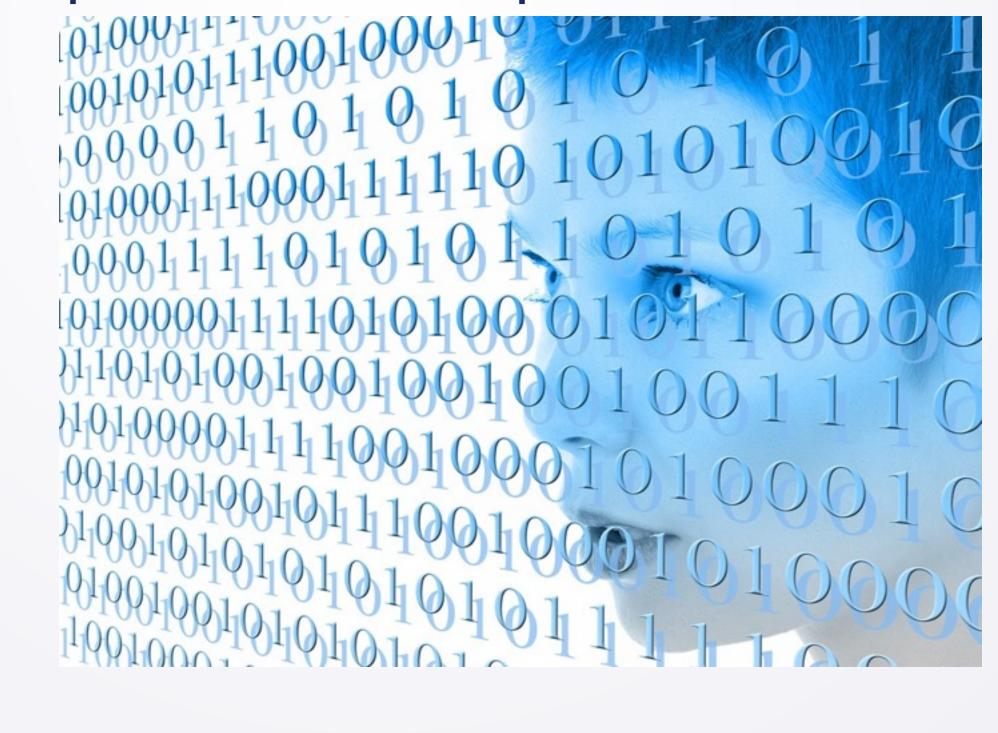


- Tabular (row/column) format data: write code!
 - Spreadsheets revolutionized and started new industries: http://n.pr/10v78vS
 - Data frequently made accessible to public
 - CSV files: Comma separated values



Programming with CSV Files

- Spreadsheets extremely useful: visualizing, finding information, trends, much more
- Data in CSV format can be portable between different spreadsheet programs





Programming with CSV Files

- Spreadsheets extremely useful: visualizing, finding information, trends, much more
- Data in CSV format can be portable between different spreadsheet programs
- Common formats have standards
 - IETF RFC 4180: Comma Separated Values (CSV)
 - ISO/IEC 29500: Open Office XML
- Use existing library: Apache CSVParser
 - Programming solves new kinds of problems!

