

Lecture 8 - Data I/O and Plotting

I. Data Files

II. Examples in Excel and Python

I. Data Files

* Data comes from lots of places & comes in lots of formats

→ text files: Data stored as characters/strings

↖ use a "text editor" to look at or edit

my_data.txt ← text

my_data.dat ← data

my_data.csv ← comma separated value

Format (typical)

Header	Name	Score	Grade
values	Doug	60	D
	Tim	70	C
	Audrey	80	B
	Annie	75	B-

delimiter → commas: .csv
space/tabs: .txt or .dat