What's your music of the day?

Outcomes: warm call pass OK

- Situate R in the context of programming languages
- Describe use cases for R at a high level: interactivity, visualization, data analysis, and statistical modeling
- Describe difference between R and RStudio

Who has programed before?

GDI programming

graphical languages

user interface

Tableau SPSS

Severt spot

for data analysis

longuages

Excel-"Ubasic"

lagrages high level Select name from students where major = "math" takes less code to do a task nitty details Low Assembly R is a high level language. Markup longrage: LaTeX HTML Principle: Everything to be as simple as possible but no simpler.

What is a computer program? Someh: Give commands + computer performs tacks Simplest: text files:
hw1.R program X = 1:10 mx = mean(X)programming is 'editing text files print (mx) - hard to break into Why is programming intimidating?
-learning a new longuage, not used to
-programs must be perfect - looks hard!

Good w/ 1 language con edit any Integrated development environments (IDE's) help you write General Purpose Longrage Specific error chicking
- identify syntax errors Noteped ++ Pycharm-Python -generale code for you Visual Studio code blocks - C, C++ - debroger Subline - autocomplète Spyder Edipse intelij - Java Vim 7 emacs

R ≠ Rstudio

Rstudio is the most common IDE for R.

the easiest, fastest way to start R

Python terrible for date analysis

Language wars will waste your time.

R was made for statisticians, by statisticians.

Meaning R is good at:

- data analysis

- statistics

- statistics

- math

- interactive => R may below differently

- interactive => R may below differently

- than PL you're used.

- visualization

