*Data Science*

# PYTHON, R, JULIA

## WEAKNESS COMPARISON

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# RECAP

| | | |
|---|---|---|
| **MID 1980S** ■ | PYTHON | **Purpose**: All purpose language<br>**Greatest weakness**: Slow |
| **MID 1990S** ■ | R | **Purpose:** Statistical computing and graphics<br>**Greatest weakness:** Also slow |
| **2012** ■ | JULIA | **Purpose:** Numerical and Scientific computing<br>**Greatest weakness:** Very small community |

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# WEAKNESSES

- Generally slow

- Extra packages required to go fast

- Syntax is messy
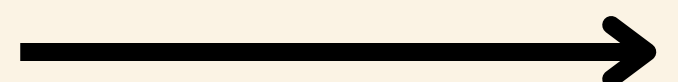
- Managing packages is complex

- Poor memory management

**PYTHON**

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# WEAKNESSES

- Not general purpose

- Slow

- Poor memory management

- Learning curve

- Struggles with Big Data

- Written by Statisticians

**R**

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# WEAKNESSES

- Not general purpose
- Young package ecosystem
- Not much support
- Can be finicky
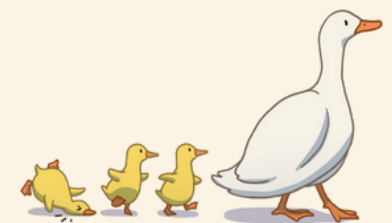- (Now) lacking a great IDE
- Rarely used in practice

## JULIA

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*that's all folks*

# WHICH WEAKNESS IS THE BIGGEST TURN OFF?

## LET ME KNOW IN THE COMMENTS

**in** Benjamen Simon

→

*introduce*
# ABOUT ME

Hi, I'm Benjamen!

## I help you become a Data Scientist

I post every day!

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