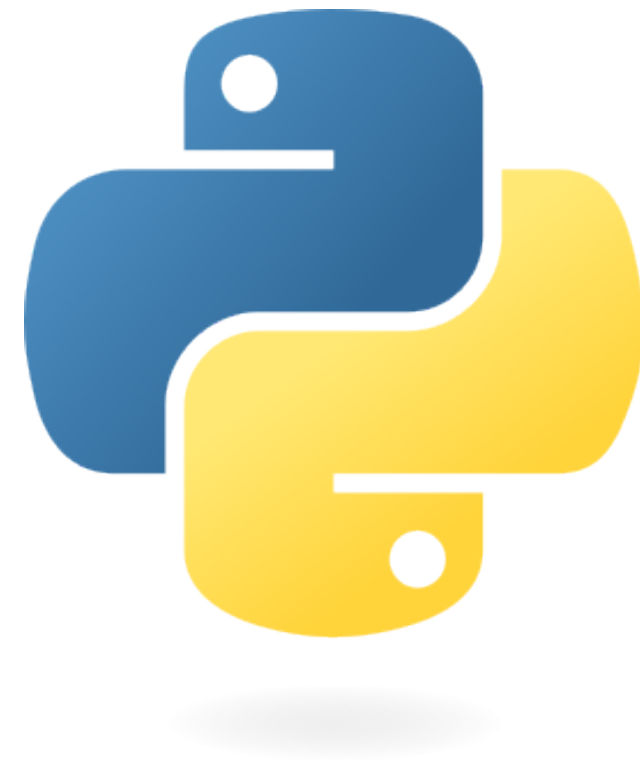# CS368: Python for Java Programmers

Lecture 1

Peyman Morteza

General Information

CS368

General Information

CS368

Meeting Time and Location:
Wednesday: 4:35 - 5:25pm, 1106 Mechanical Engineering (3M Auditorium)

General Information

CS368

Meeting Time and Location:
Wednesday: 4:35 - 5:25pm, 1106 Mechanical Engineering (3M Auditorium)

Course Description:
This course introduces students who are fluent Java programmers to the Python language. Students will write Python programs that include control structures, functions, and user-defined classes. They will be able to incorporate basic Python collections (lists, tuples, sets, dictionaries), handle errors, and work with files.
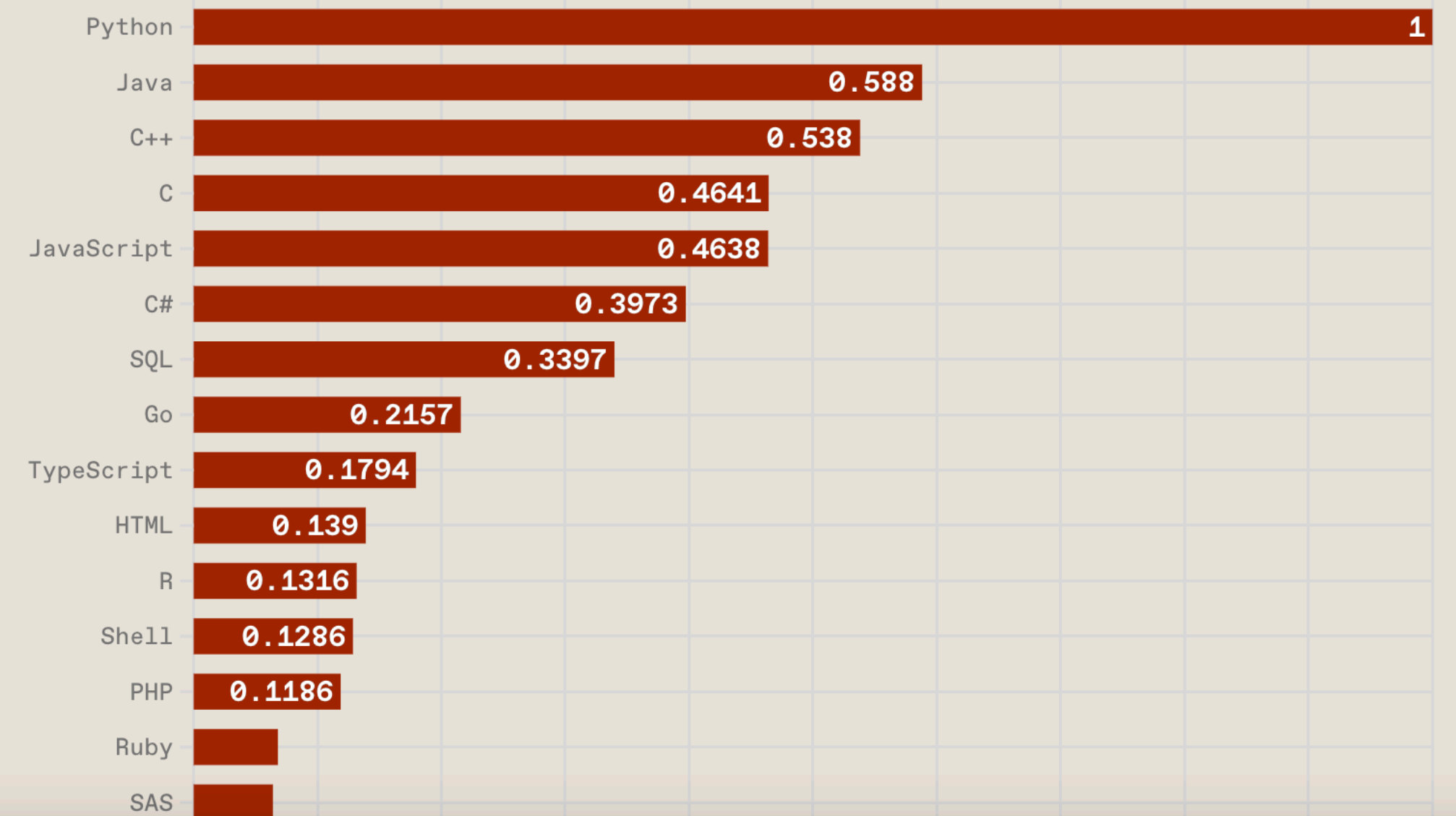
Why to learn Python?

Why to learn Python?

Named the most popular programming language in 2023 by TIOBE and IEEE.

Why to learn Python?

Named the most popular programming language in 2023 by TIOBE and IEEE.

Simple and well-structured

Why to learn Python?

Named the most popular programming language in 2023 by TIOBE and IEEE.

Simple and well-structured

Extensive libraries in PyPI

Top Programming Languages 2023
Click a button to see a differently weighted ranking
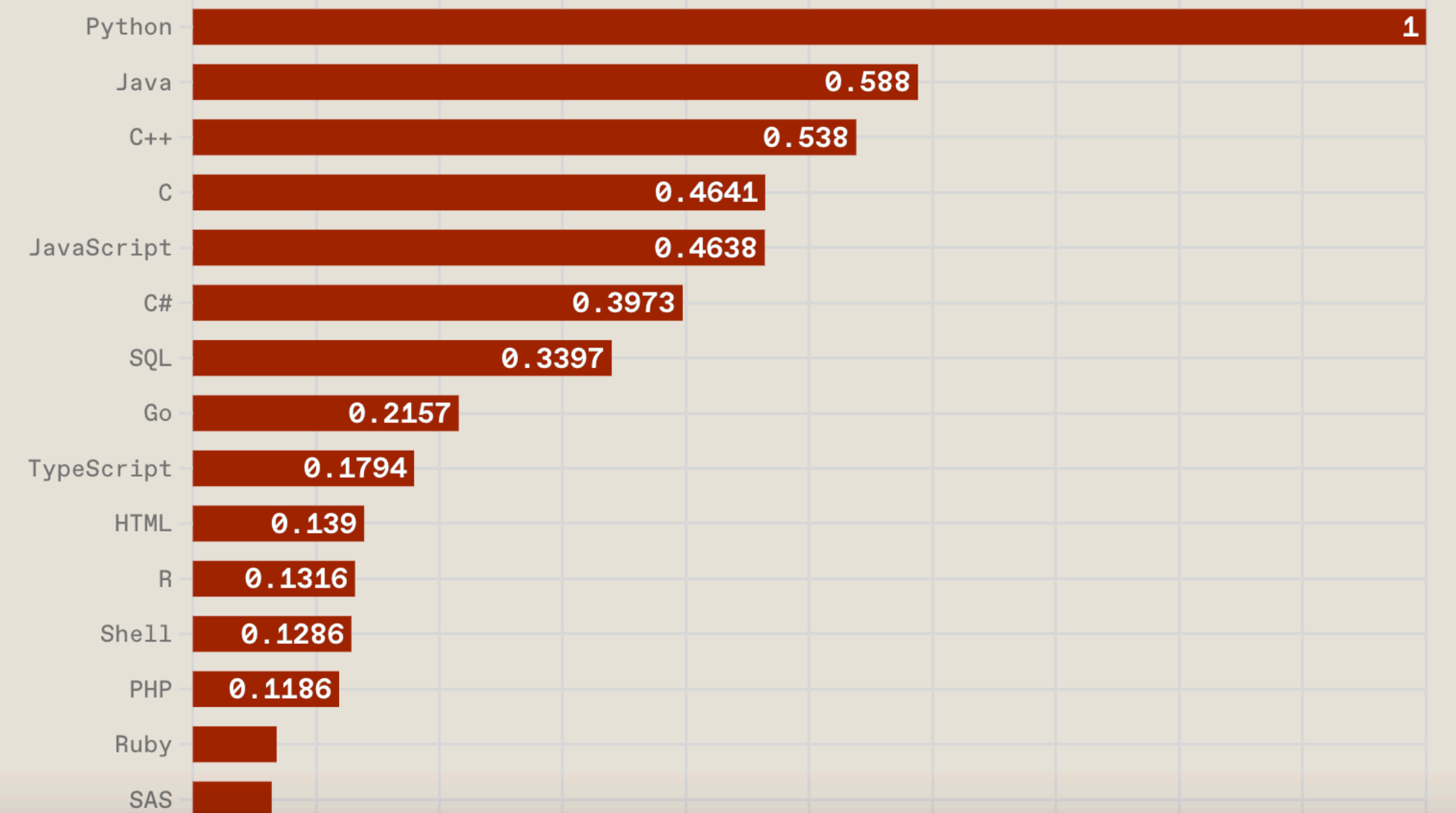
Spectrum | Jobs | Trending

Language	Value
Python	1
Java	0.588
C++	0.538
C	0.4641
JavaScript	0.4638
C#	0.3973
SQL	0.3397
Go	0.2157
TypeScript	0.1794
HTML	0.139
R	0.1316
Shell	0.1286
PHP	0.1186
Ruby	
SAS	

Why to learn Python?

Named the most popular programming language in 2023 by TIOBE and IEEE.

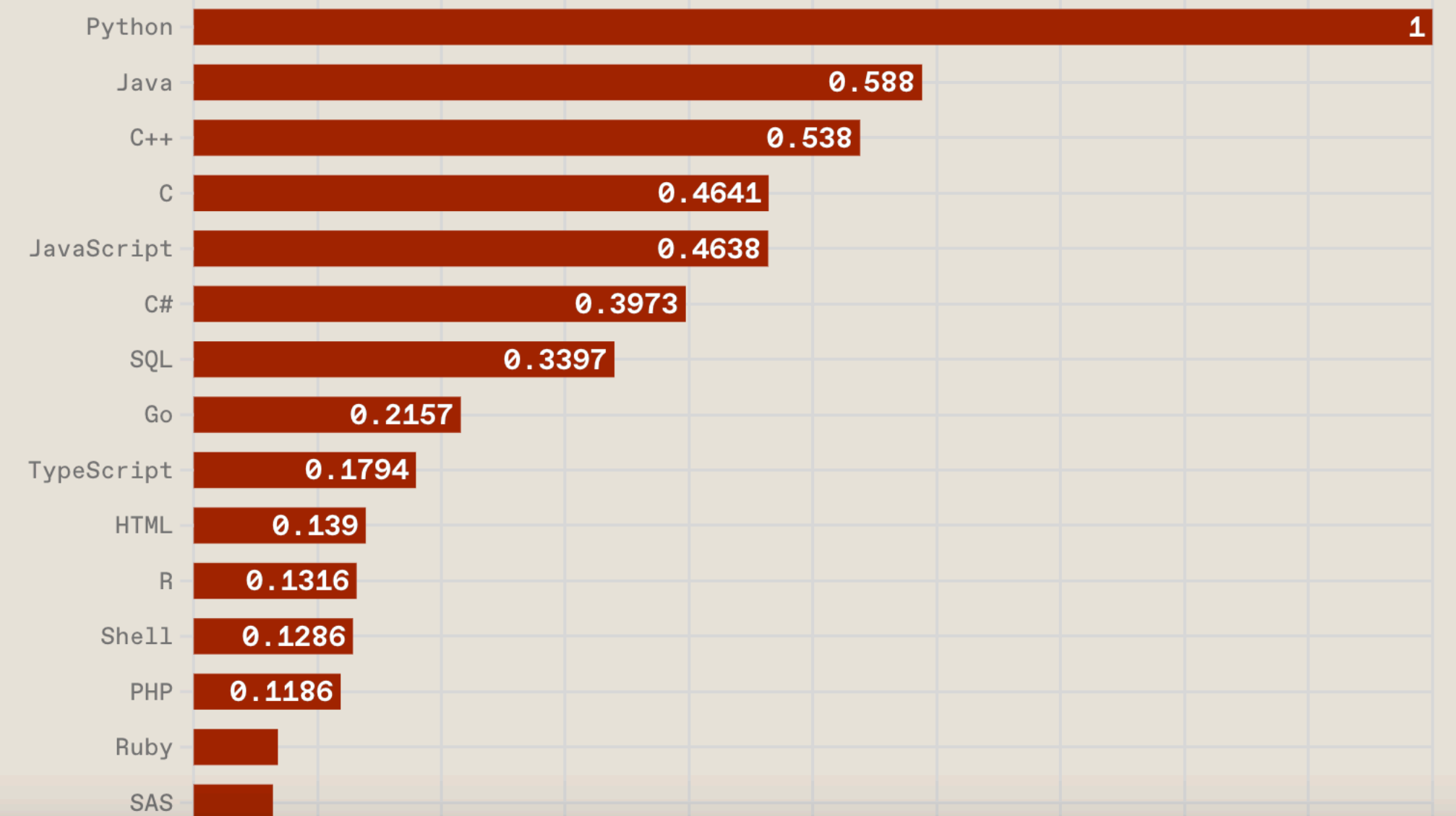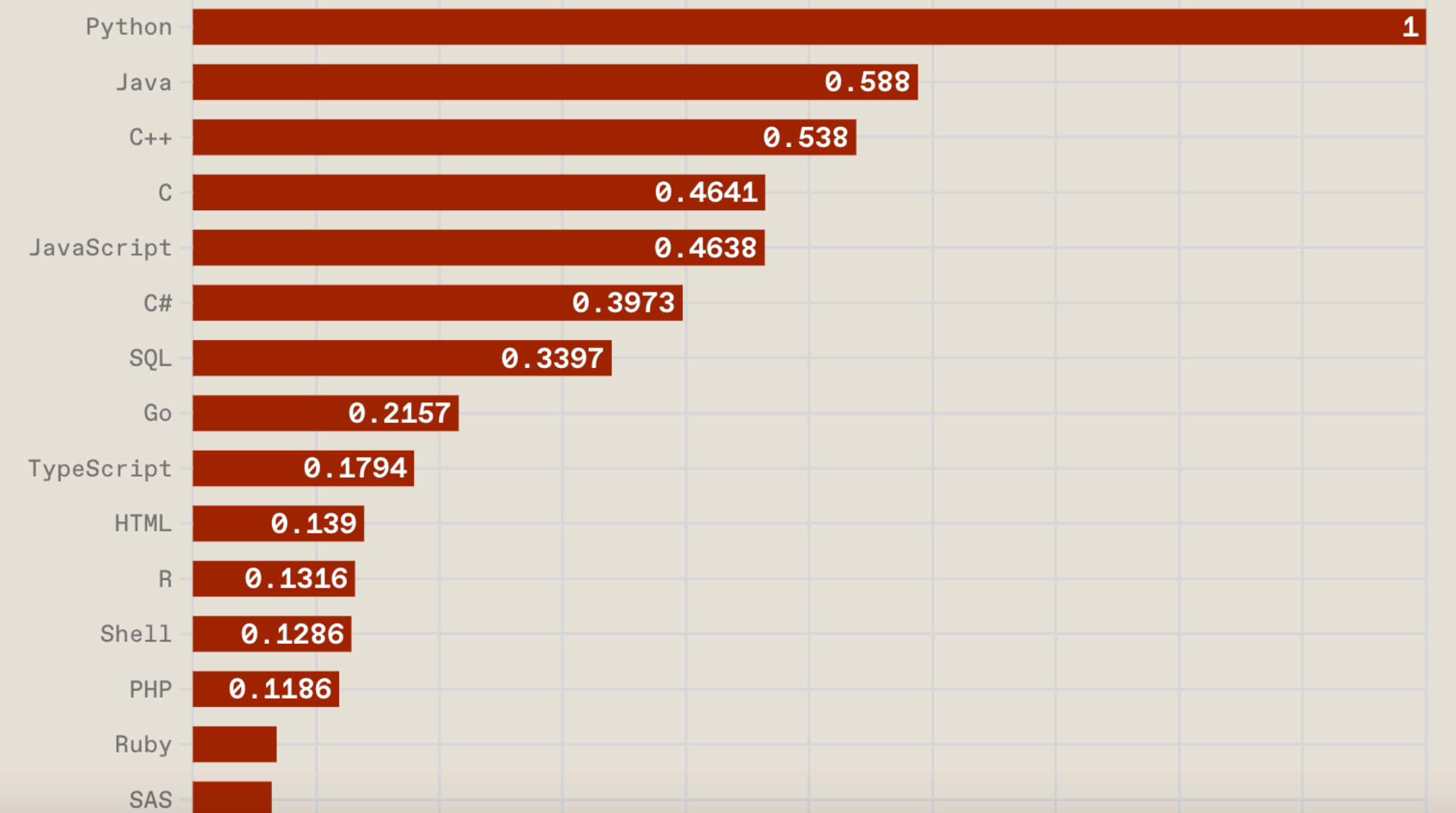**Simple and well-structured**

Extensive libraries in PyPI

Popular in Machine Learning, AI, and Data Science

Top Programming Languages 2023
Click a button to see a differently weighted ranking

| Spectrum | Jobs | Trending |

Python	1
Java	0.588
C++	0.538
C	0.4641
JavaScript	0.4638
C#	0.3973
SQL	0.3397
Go	0.2157
TypeScript	0.1794
HTML	0.139
R	0.1316
Shell	0.1286
PHP	0.1186
Ruby	
SAS	

Who am I?

Who am I?

Instructor:
Peyman Morteza

Email:
morteza@wisc.edu

Who am I?

Instructor:
Peyman Morteza

Email:
morteza@wisc.edu

Office:
CS4220

Office Hours:
After lecture or by appointment

Who am I?

Research Interest

Instructor:
Peyman Morteza

Email:
morteza@wisc.edu

Office:
CS4220

Office Hours:
After lecture or by appointment

Machine Learning   **AI**   **Data Science**

Who am I?

Instructor:
Peyman Morteza

Email:
morteza@wisc.edu

Office:
CS4220

Office Hours:
After lecture or by appointment

Research Interest

Machine Learning   **AI**   **Data Science**

Past Industry Experience

Uber   shiru

Who am I?

Instructor:
Peyman Morteza

Email:
morteza@wisc.edu

Office:
CS4220

Office Hours:
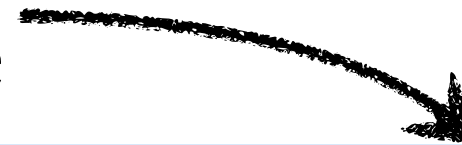After lecture or by appointment
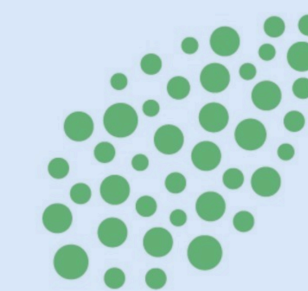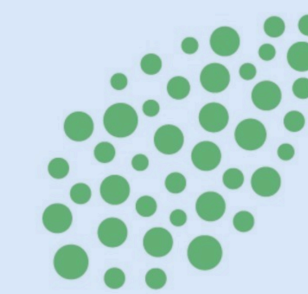
Research Interest

Machine Learning   **AI**   **Data Science**

Past Industry Experience

Uber   shiru

Past Teaching Experience

CS220   **CS368**   **CS400**

Online Communication

Online Communication

Canvas: All course grades and lecture content will be delivered through Canvas.

Online Communication

Canvas: All course grades and lecture content will be delivered through Canvas.

Piazza: QA about course materials. (If you are sharing your code for homework please make sure to make your post *private*.)

Online Communication

Canvas: All course grades and lecture content will be delivered through Canvas.

Piazza: QA about course materials. (If you are sharing your code for homework please make sure to make your post *private*.)

Zybook: Course content, exercises, and programming assignments will be administered through a Zybook electronic textbook.

Grading

Grading

ZyBooks Challenge Exercises will be assigned each week and are worth 20% of your semester grade.

20%

Grading

ZyBooks Challenge Exercises will be assigned each week and are worth 20% of your semester grade. → 20%

ZyBooks Labs will be assigned most weeks and are worth 50% of your semester grade. → 50%

Grading

ZyBooks Challenge Exercises will be assigned each week and are worth 20% of your semester grade.

20%

ZyBooks Labs will be assigned most weeks and are worth 50% of your semester grade.

50%

Quizzes will be through Canvas

10%

Grading

ZyBooks Challenge Exercises will be assigned each week and are worth 20% of your semester grade. → 20%

ZyBooks Labs will be assigned most weeks and are worth 50% of your semester grade. → 50%

Quizzes will be through Canvas → 10%

Final Exam will be in class → 20%

Grading

ZyBooks Challenge Exercises will be assigned each week and are worth 20% of your semester grade. → 20%

ZyBooks Labs will be assigned most weeks and are worth 50% of your semester grade. → 50%

Quizzes will be through Canvas → 10%

Final Exam will be in class → 20%

Course credit will be given if your overall score is at or above 80%