

DATA 311

Fundamentals of Data Science

Lecture 0

Introduction, Logistics,
What is Data Science? What is Data?

Today

Logistics/Introductions

- About me
- About you (survey due Friday)
- Course webpage/syllabus

What is data science?

- What is data?
- What properties can data have?
- What questions can we answer with data?

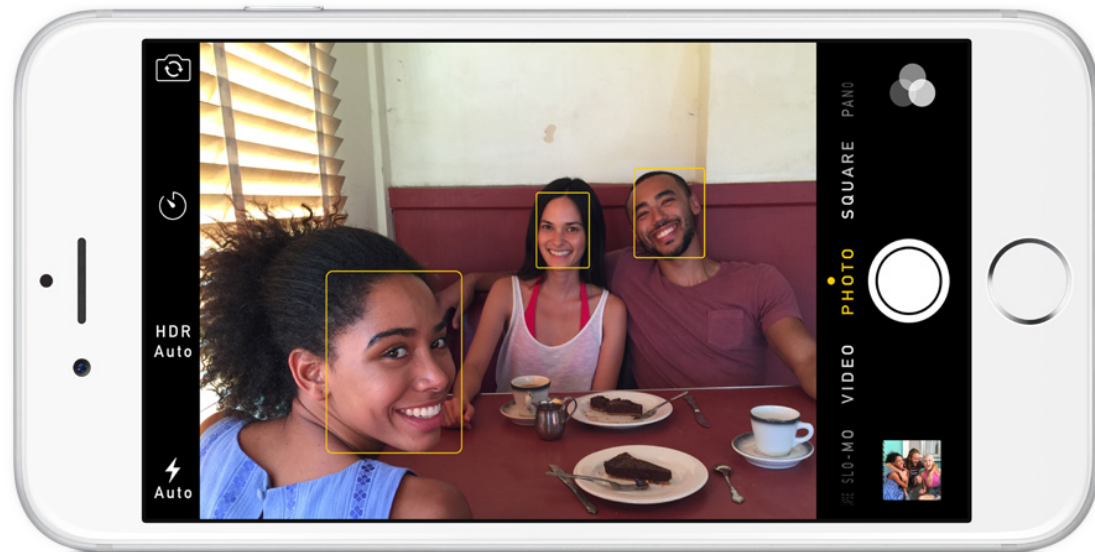
About Me:

Scott Wehrwein

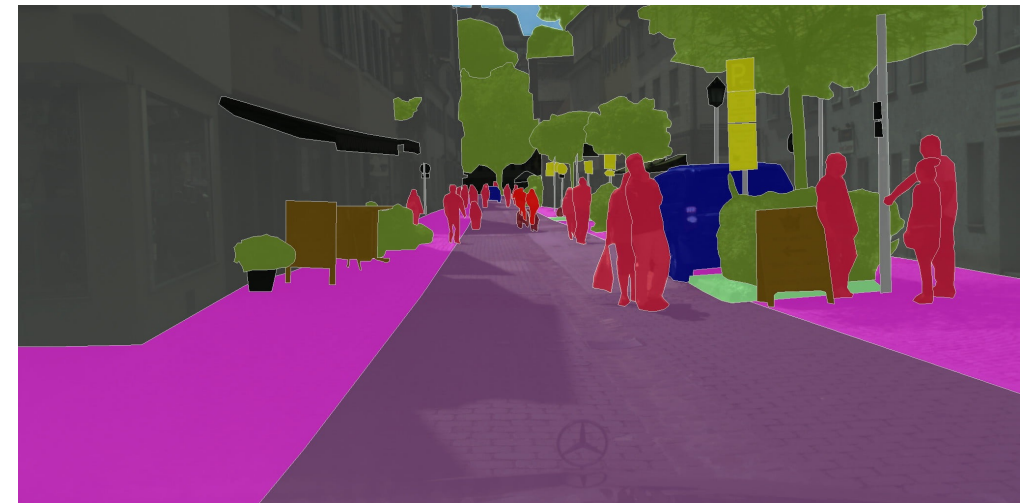
(call me this!)



Computer Vision: Familiar Examples



In-Camera Face Detection



Autonomous Driving



Text-Guided Image Generation

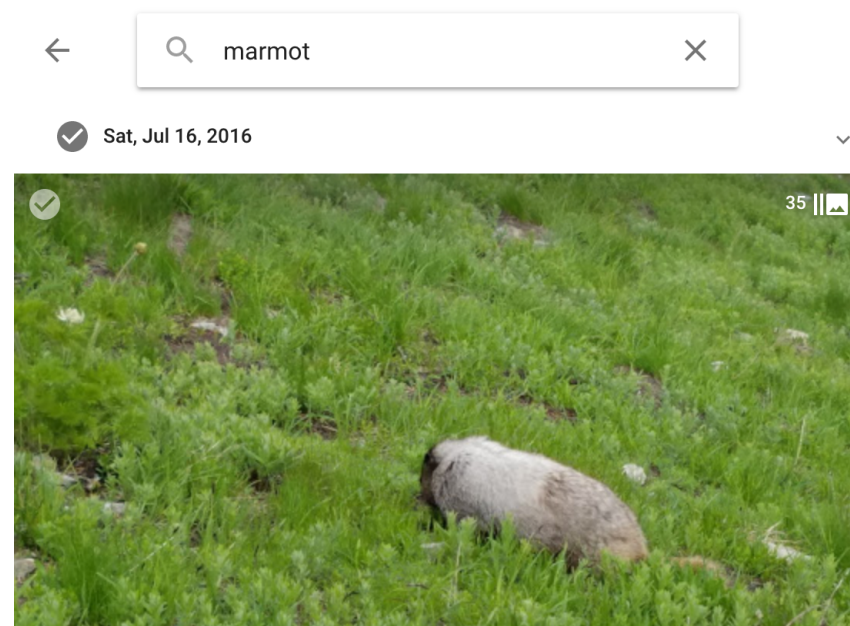
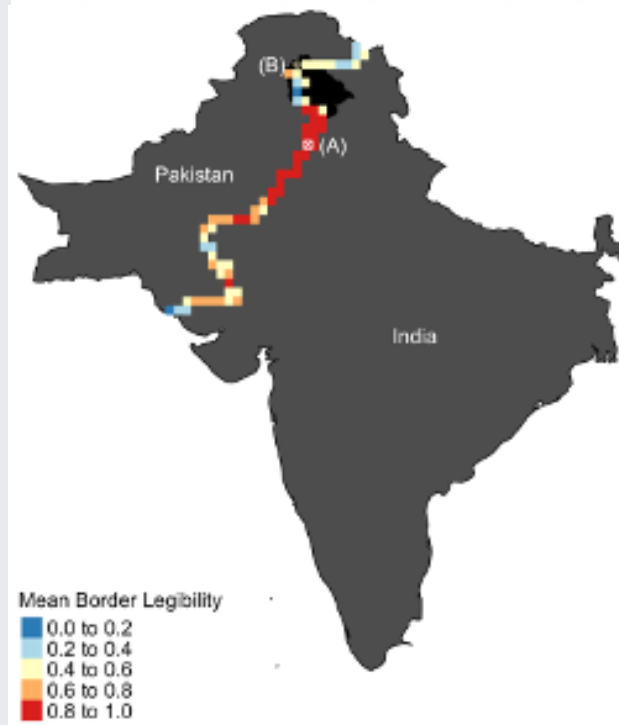
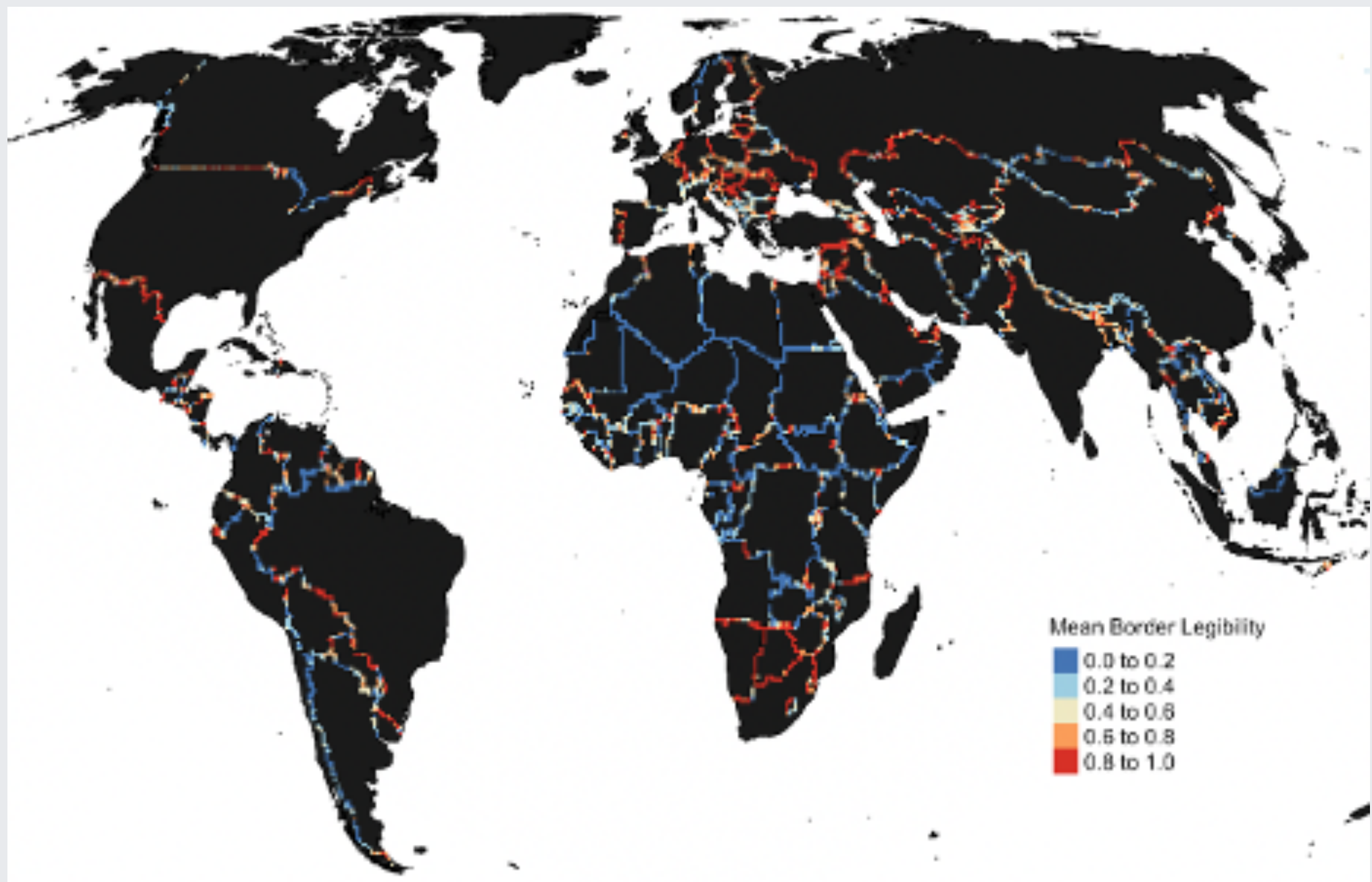


Image Search









Greater One-Horned Rhino Exhibit



Entire Indoor and Outdoor Space

● = Camera locations

Glenn
b. 2016



Aside: Research Group

I'm recruiting students for two research-related opportunities relating to computer vision, starting this Fall:

- Weekly paper reading group
- Research projects
 - Webcam stream compression
 - 3D reconstruction of zoo environments

Email or talk to me if you're interested!

Logistics

The syllabus is [on] the course webpage:

https://facultyweb.cs.wvu.edu/~wehrwes/courses/data311_25f

This link can also be found on the Syllabus page on Canvas.

The screenshot shows a course webpage for 'DATA 311 - Fundamentals of Data Science'. At the top is a dark navigation bar with links: 'Course Overview', 'Assessment', 'Resources', 'Logistics', 'Schedule', and 'Course Policies'. Below this, the course title 'DATA 311 - Fundamentals of Data Science' is displayed in bold, followed by the instructor's name 'Scott Wehrwein' and the semester 'Fall 2025'. A section titled 'Course Overview' is separated by a horizontal line. Under 'Basics', there is a bulleted list: '• CRNs: 42032 and 42748', '• Credits: 4', and '• Syllabus and Course Website (you are here): https://facultyweb.cs.wvu.edu/~wehrwes/courses/data311_25f'.

Course Overview Assessment Resources Logistics Schedule Course Policies

DATA 311 - Fundamentals of Data Science

Scott Wehrwein

Fall 2025

Course Overview

Basics

- CRNs: 42032 and 42748
- Credits: 4
- Syllabus and Course Website (you are here): https://facultyweb.cs.wvu.edu/~wehrwes/courses/data311_25f

Syllabus Questions?

Please read the syllabus by Friday's class and bring any additional questions to class.

What is Data Science?

What is Data?