

# Advanced Data Visualization Course Syllabus

## Description of Course:

This course teaches students advanced techniques for visualizing data. Topics include the use of software tools to create effective charts, graphs, and interactive dashboards.

## Instructor and Contact Information:

Dr. Alex Johnson

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Office Hours: Thursday, 1-3 PM or by appointment

## Course Goals & Objectives:

The goal is to enhance students' ability to communicate complex data through visual means, improving their ability to create impactful presentations.

## Expected Learning Outcomes:

- Mastery of data visualization tools
- Ability to design clear and effective visual representations of data
- Competence in creating interactive dashboards

## Assignments and Due Dates

Week	Topic	Assignments/Activities
Week 1	Introduction to Data Visualization	Discussion Post due 1/16
Week 2	Chart and Graph Design	Submit Chart Design due 1/23

Week 3	Interactive Dashboards	Complete Dashboard Tutorial due 1/30
Week 4	Advanced Techniques	Submit Visualization Project due 2/6
Week 5	Presentation of Data	Submit Final Presentation due 2/13