CS 225
Data Structures

January 14—Introduction
Wade Fagen-Ulmschneider, Craig Zilles
Introduction

Wade Fagen-Ulmschneider – CS PhD

**Academic Interests**: data discovery/visualization, systems programming, education worth sharing, and magic fairy dust

Craig Zilles – CS PhD (M.S. ECE, B.S./M.S. Mech E.)

**Academic Interests**: computer-assisted education, learning analytics, and computer architecture

Course Staff:

You:
Wade’s Passion: Data Discovery

Diversity at Illinois:

And others:

http://waf.cs.illinois.edu/discovery/
Craig thinks Wade has better pictures, but…

Proposing high-performance processor micro-architectures

Design and algorithms for force-feedback human-computer interfaces

Relationship between exam time and exam score in the CBTF

SPIMbot contest in CS 233
Course Staff
You
Everything about CS 225

https://courses.engr.illinois.edu/cs225/

Information on:

Staff
Communications
Lab Sections
MPs
Exams
Grading
Academic Integrity
What is this course about?
Variables in C++

```c++
int myFavoriteInt;

char grade = 'A';

double gamma = 0.653;

Cat fiona, mia;

Cube rubix;

Person wade;
```
Encapsulation
Encapsulation

Cube.h

Cube.cpp
#pragma once

class Cube {
    public:

    private:

};
```cpp
#include "Cube.h"

double Cube::getVolume() {
}
```

```cpp
class Cube {
  public:
    double getVolume();
};
```