Excel Conditional Functions

Decisions and Actions Combined
How many brunettes are in class?
How many students wear glasses?
In Excel...

- Need to define two things
  - range – collection of cells that we’re checking against our criteria
    - range example: I2:I9
  - criteria – logical test for our range
    - Criteria example: “>=60”
Excel Functions

- Three operations
  - COUNT, SUM, AVERAGE

- Two formats
  - Single criterion
  - Multiple criteria (may be one)
Forms for Criteria

- ">=78"
  - logical operator and constant. Must be in " "
- 67
  - Simple constant will test for =
- F4
  - Cell will test for =
- "<"&F4
  - Need to build the criterion for other operators and cell
COUNTIF example
(Counting Passes)

- How many courses is each student passing?
- How many courses did at least one student pass?