### Rust Variables



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#### Overview



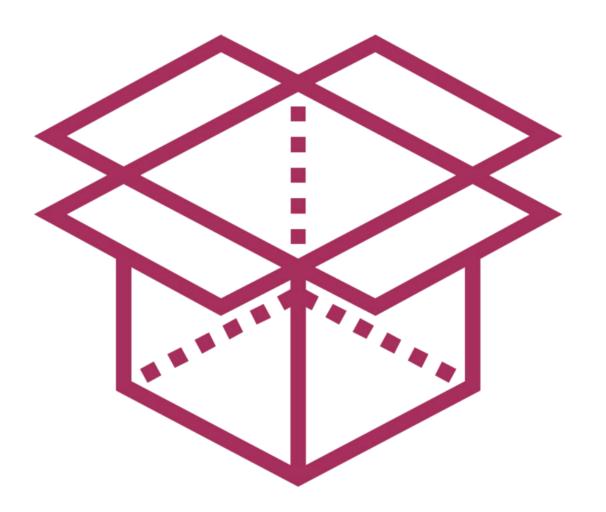
**Declaring Variables** 

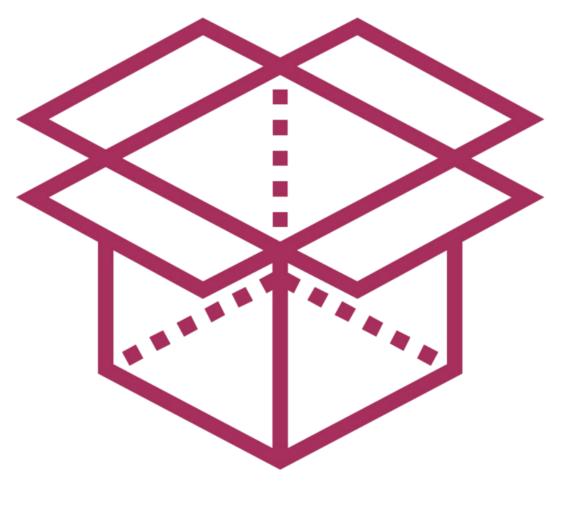
**Casting Data Types** 

Variable Immutability

Variable Scope and Shadowing



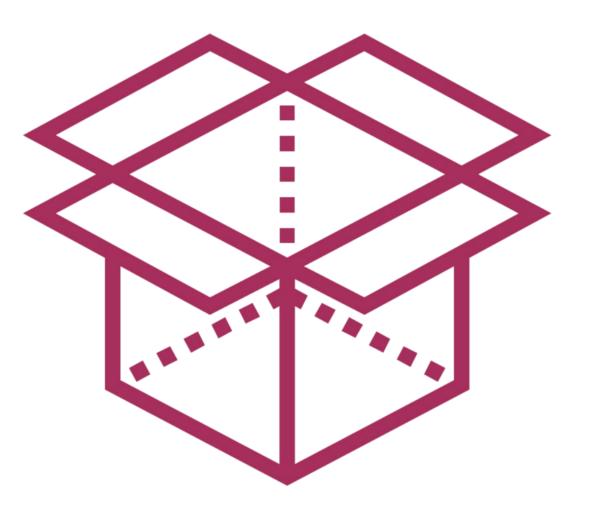




Variable\_Name



#### Integer



Variable\_Name



## Casting Variable Data Types

### Up Next: Variable Immutability

# Mutability

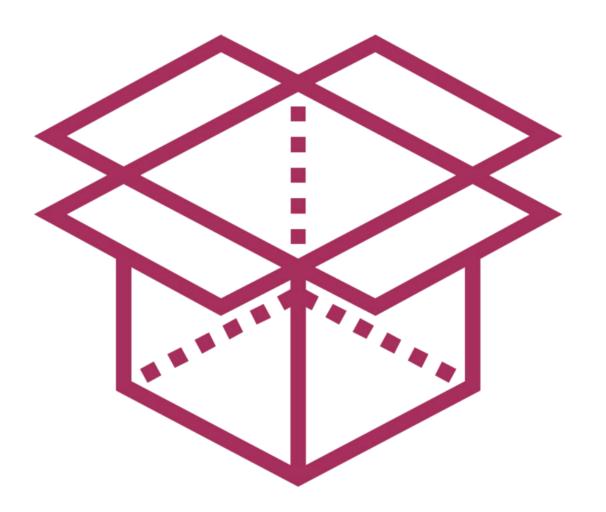
Can be changed



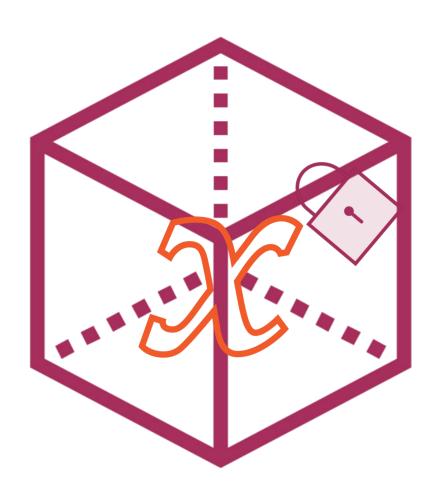
### Immutable

Cannot be changed









let mut changeable\_variable = 500;

■ The "mut" keyword tells rust that we expect to change the value of this variable over the life of the code.

#### Core Design Philosophies of Rust



Safety



Concurrency



Speed