

# Data Structures & Programmatic Thinking

## Hardware

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# Plan for this session

- Learn a bit about hardware

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- Try the Spyder editor

# CPU



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- Speed measured in hertz
- Moore's law (debunked)
- More computing power is achieved through more cores

# RAM

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- Divided in addresses
- Not persistent
- Fast (Random Access)



# Hardware

## HDD / SSD

Hard Disk Drives or Solid State Drives are the long term storage of the computer

Persistent

Slower than RAM

Higher capacity than RAM

# Development Environment

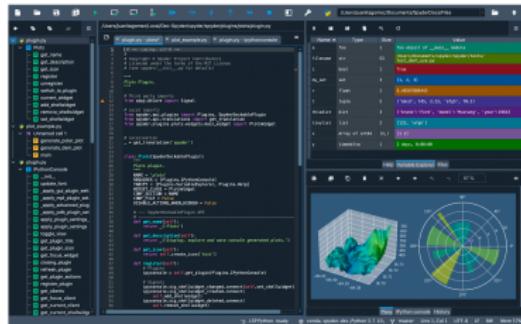
## Anaconda

Does everybody have Anaconda installed?

# Spyder



The  
Scientific  
Python  
Development  
Environment



# Review