Actor Critic Methods: From Paper to Code

Required Background, Software, Hardware

Software Requirements

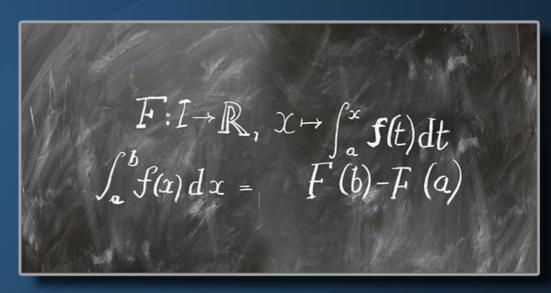- Python 3

- Can use separate environment or upgrade

Python Proficiency Required

- Core features
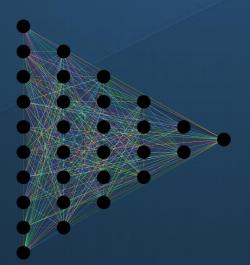
- List comprehensions

- Looping

- Classes & inheritance

Recommended Mathematics

More is better

Calculus is important

$$F: I \to \mathbb{R}, \quad x \mapsto \int_a^x f(t)\,dt$$
$$\int_a^b f(x)\,dx = \quad F(b) - F(a)$$

Deep neural networks

What about Jupyter?

- Won't be using them!

- Basic implementation is … too basic

- Feel free to use for demonstrations

Code Editors

Hardware Recommendations

- nVidia GPU → GTX 700 and above

- CPU works; simple environments

- Code doesn't depend on environment

Conclusion

- Familiarity with Python

- Mathematical proficiency is required

- Python 3 and reliable code editor

Up Next