Guess, Check, Adjust: Training AI One Step at a Time

This workshop demonstrates how AI learns through three progressive steps:

Files & Purpose

1. **01_basic_predictor.py**: Shows pure randomness

   - No parameters to adjust
   - Demonstrates why we need smarter approaches
   - Run multiple times to see complete randomness

2. **02_markov_improved.py**: Introduces smart prediction

   - Set `window_size` (3-6 recommended)
   - Adjust `temperature` (0.7-0.8 optimal)
   - Watch debug output to see AI thinking

3. **03_interactive.py**: Full AI training experience

   - Control multiple parameters
   - See training progress
   - Get real-time feedback
   - Experiment with different settings

Recommended Settings

For best results:

- **First Try**: Use defaults to see why parameters matter
- **Better Results**:
  - window_size=5-6
  - temperature=0.7-0.8
- **Experimental**:
  - Higher temperature (>1.2) for creative text
  - Larger window_size (>6) for more context

Tips for Success

- Start with suggested settings
- Watch debug output to understand choices
- Try multiple combinations
- Compare outputs to understand impact
- Remember: Real AI uses same concepts at massive scale!