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Portable PsyAgent Quick Start Guide

1. Introduction

Portable PsyAgent is a portable psychological assessment agent system that supports multi-dimensional personality assessment, analysis evaluation, and stress testing of AI agents. This guide will help you quickly get started with the system.

2. System Requirements

- Python 3.8 or higher
- Windows, Linux, or macOS operating system
- Ollama (recommended for local models)

3. Installation Steps

3.1 Clone the Project

```
git clone https://github.com/ptreezh/AgentPsyAssessment
cd AgentPsyAssessment
```

3.2 Install Dependencies

```
pip install -r requirements.txt
```

3.3 Install Ollama (Recommended)

Windows

Download from <https://ollama.ai/download>

Linux

```
curl -fsSL https://ollama.ai/install.sh | sh
```

macOS

```
brew install ollama
```

3.4 Download Recommended Models

Start Ollama service

```
ollama serve
```

In a new terminal window, download models

```
ollama pull llama3:latest
```

```
ollama pull qwen3:8b
```

4. Quick Assessment

4.1 Run Basic Assessment

```
python llm_assessment/run_assessment_unified.py --model_name llama3:latest --test_file big5 --role_name a1
```

4.2 View Assessment Results

Assessment results will be saved in the `llm_assessment/results/` directory.

5. Quick Analysis

5.1 Run Personality Analysis

```
python shared_analysis/analyze_results.py llm_assessment/results/your_result_file.json
```

5.2 View Analysis Report

Analysis reports will be generated in the `analysis_reports/` directory in both JSON and Markdown formats.

6. Stress Testing Example

6.1 Run Assessment with Stress Testing

```
python llm_assessment/run_assessment_unified.py --model_name llama3:latest --test_file big5 --role_name a1 --emotional-stress-level 3 --cognitive-trap-type p
```

6.2 Parameter Description

- `--emotional-stress-level`: Emotional stress level (0-4)
- `--cognitive-trap-type`: Cognitive trap type
 - p: Paradox trap
 - c: Circularity trap
 - s: Semantic fallacy trap
 - r: Procedural trap

7. Batch Processing

7.1 Quick Batch Analysis

```
python ultimate_batch_analysis.py --quick
```

7.2 Complete Batch Analysis

```
python ultimate_batch_analysis.py
```

8. Common Issues

8.1 Ollama Connection Failure

Check if Ollama service is running:

```
ollama ps
```

8.2 Model Not Found

Ensure the model is downloaded:

```
ollama list
```

8.3 Insufficient Memory

Reduce batch processing size:

```
python ultimate_batch_analysis.py --sample 5
```

9. Getting Help

For more help, please refer to the complete user manual or submit an issue.

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