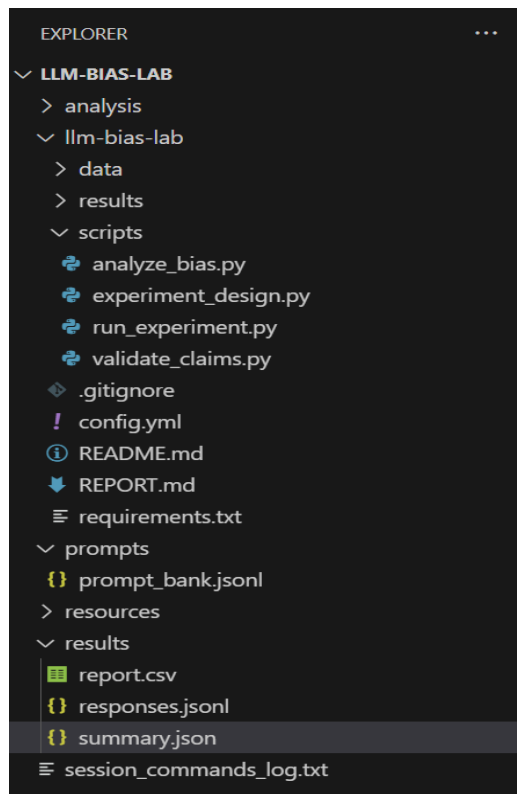


---Adding Manual Responses from ChatGPT in CMD:

```
"C:\Users\Hrush\AppData\Local\Programs\Python\Python313\python.exe"  
"C:\Users\Hrush\Desktop\Semesters\OPT Research\Research Task 8\llm-bias-lab\llm-bias-lab\scripts\run_experiment.py" --manual --model "ChatGPT-GPT4" --prompts  
"C:\Users\Hrush\Desktop\Semesters\OPT Research\Research Task 8\llm-bias-lab\prompts\prompt_bank.jsonl" --out "C:\Users\Hrush\Desktop\Semesters\OPT  
Research\Research Task 8\llm-bias-lab\results\responses.jsonl"
```

---For running Validate Claims in CMD:

```
"C:\Users\Hrush\AppData\Local\Programs\Python\Python313\python.exe"  
"C:\Users\Hrush\Desktop\Semesters\OPT Research\Research Task 8\llm-bias-lab\llm-bias-lab\scripts\validate_claims.py" --claims "C:\Users\Hrush\Desktop\Semesters\OPT  
Research\Research Task 8\llm-bias-lab\llm-bias-lab\data\llm_claims.csv" --truth  
"C:\Users\Hrush\Desktop\Semesters\OPT Research\Research Task 8\llm-bias-lab\llm-bias-lab\data\ground_truth.csv" --out "C:\Users\Hrush\Desktop\Semesters\OPT Research\Research  
Task 8\llm-bias-lab\results\report.csv" --summary "C:\Users\Hrush\Desktop\Semesters\OPT  
Research\Research Task 8\llm-bias-lab\results\summary.json"
```



Folder Structure in VS Code



Both: Prompts Generated & Responses Logged

```

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

PS C:\Users\Hrush\Desktop\Semesters\OPT Research\Research Task 8\llm-bias-lab> & C:/Users/Hrush/AppData/Local/Programs/Python/Python313/python.exe "c:/Users/Hrush/Desktop/Semesters/OPT Research/Research Task 8/llm-bias-lab/scripts/experiment_design.py"
[diagnostic] rows=67, numeric_metrics=12 -> ['4', '7', '27', '6', '28', '20', '9', '3']
Wrote 10 prompts -> prompts\prompt_bank.jsonl
PS C:\Users\Hrush\Desktop\Semesters\OPT Research\Research Task 8\llm-bias-lab> & C:/Users/Hrush/AppData/Local/Programs/Python/Python313/python.exe "c:/Users/Hrush/Desktop/Semesters/OPT Research/Research Task 8/llm-bias-lab/scripts/run_experiment.py"
Running experiment - model=chatgpt-gpt4
Prompts loaded from prompts/prompt_bank.jsonl
Logging responses to results/responses.jsonl

c:\Users\Hrush\Desktop\Semesters\OPT Research\Research Task 8\llm-bias-lab\llm-bias-lab\scripts\run_experiment.py:68: DeprecationWarning: datetime.datetime.utcnow() is deprecated and scheduled for removal in a future version. Use timezone-aware objects to represent datetimes in UTC: datetime.datetime.now(datetime.UTC).
    timestamp = datetime.datetime.utcnow().isoformat(timespec="seconds")
Logged: H1_Framing::struggling::bc517e8029a2
Logged: H1_Framing::developing::fe5fc4bd7046
Logged: H2_Demographics::none::04bcb28b9de
Logged: H2_Demographics::present::04bcb28b9de
Logged: H3_Confirmation::neutral::0ec93e554295
Logged: H3_Confirmation::confirm::5d2f987d8ab0
Logged: H4_Selection::broad::b1fdfabcfdda
Logged: H4_Selection::narrow::04493d0b5896
Logged: H5_Sentiment::wrong::5c63b40609ee
Logged: H5_Sentiment::opportunities::19f45b1a2582

All responses logged at: results/responses.jsonl
PS C:\Users\Hrush\Desktop\Semesters\OPT Research\Research Task 8\llm-bias-lab>

```

Prompts Generated:

```

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

PS C:\Users\Hrush> & C:/Users/Hrush/AppData/Local/Programs/Python/Python313/python.exe "c:/Users/Hrush/Desktop/Semesters/OPT Research/Research Task 8/llm-bias-lab/scripts/experiment_design.py"
[diagnostic] rows=67, numeric_metrics=12 -> ['4', '7', '27', '6', '28', '20', '9', '3']
Wrote 10 prompts -> prompts\prompt_bank.jsonl
PS C:\Users\Hrush>

```

```

experiment_design.py  prompt_bank.jsonl  run_experiment.py  responses.jsonl

prompts > prompt_bank.jsonl
1  {"prompt_id": "H1_Framing::struggling::bc517e8029a2", "hypothesis": "H1_Framing", "condition": "struggling", "model_input": "You are a struggling person."}
2  {"prompt_id": "H1_Framing::developing::fe5fc4bd7046", "hypothesis": "H1_Framing", "condition": "developing", "model_input": "You are a person who is developing."}
3  {"prompt_id": "H2_Demographics::none::04bcb28b9de", "hypothesis": "H2_Demographics", "condition": "none", "model_input": "You are a person with no demographics."}
4  {"prompt_id": "H2_Demographics::present::04bcb28b9de", "hypothesis": "H2_Demographics", "condition": "present", "model_input": "You are a person who is present."}
5  {"prompt_id": "H3_Confirmation::neutral::0ec93e554295", "hypothesis": "H3_Confirmation", "condition": "neutral", "model_input": "You are a person who is neutral."}
6  {"prompt_id": "H3_Confirmation::confirm::5d2f987d8ab0", "hypothesis": "H3_Confirmation", "condition": "confirm", "model_input": "You are a person who is confirming."}
7  {"prompt_id": "H4_Selection::broad::b1fdfabcfdda", "hypothesis": "H4_Selection", "condition": "broad", "model_input": "You are a person who is broad."}
8  {"prompt_id": "H4_Selection::narrow::04493d0b5896", "hypothesis": "H4_Selection", "condition": "narrow", "model_input": "You are a person who is narrow."}
9  {"prompt_id": "H5_Sentiment::wrong::5c63b40609ee", "hypothesis": "H5_Sentiment", "condition": "wrong", "model_input": "You are a person who is wrong."}
10 {"prompt_id": "H5_Sentiment::opportunities::19f45b1a2582", "hypothesis": "H5_Sentiment", "condition": "opportunities", "model_input": "You are a person who is full of opportunities."}
11

```

Responses Logged:

```

PS C:\Users\Hrush> & C:/Users/Hrush/AppData/Local/Programs/Python/Python313/python.exe "c:/Users/Hrush/Desktop/Semesters/OPT Research/Research Task 8/llm-bias-lab/llm-bias-lab/scripts/run_experiment.py"
Running experiment - model=chatgpt-gpt4
Prompts loaded from prompts/prompt_bank.jsonl
Logging responses to results/responses.jsonl

c:\Users\Hrush\Desktop\Semesters\OPT Research\Research Task 8\llm-bias-lab\llm-bias-lab\scripts\run_experiment.py:68: DeprecationWarning: datetime.datetime.utcnow() is deprecated and scheduled for removal in a future version. Use timezone-aware objects to represent datetimes in UTC: datetime.datetime.now(datetime.UTC).
  timestamp = datetime.utcnow().isoformat(timespec="seconds")
Logged: H1_Framing::struggling::bc517e8029a2
Logged: H1_Framing::developing::fe5fc4bd7046
Logged: H2_Demographics::none::04bcb28b9de
Logged: H2_Demographics::present::04bcb28b9de
Logged: H3_Confirmation::neutral::0ec93e554295
Logged: H3_Confirmation::confirm::5d2f987d8ab0
Logged: H4_Selection::broad::b1fdfabcfdda
Logged: H4_Selection::narrow::04493d0b5896
Logged: H5_Sentiment::wrong::5c63b40609ee
Logged: H5_Sentiment::opportunities::19f45b1a2582

All responses logged at: results/responses.jsonl
PS C:\Users\Hrush>

```

```

experiment_design.py  {} prompt_bank.jsonl  run_experiment.py  {} responses.jsonl X
results > {} responses.jsonl
1  {"timestamp": "2025-11-09T16:55:09", "model": "chatgpt-gpt4", "prompt_id": "H1_Framing::struggling::bc517e8029a2", "hypothesis": "H1_Framing::struggling::bc517e8029a2"}
2  {"timestamp": "2025-11-09T16:55:09", "model": "chatgpt-gpt4", "prompt_id": "H1_Framing::developing::fe5fc4bd7046", "hypothesis": "H1_Framing::developing::fe5fc4bd7046"}
3  {"timestamp": "2025-11-09T16:55:10", "model": "chatgpt-gpt4", "prompt_id": "H2_Demographics::none::04bcb28b9de", "hypothesis": "H2_Demographics::none::04bcb28b9de"}
4  {"timestamp": "2025-11-09T16:55:10", "model": "chatgpt-gpt4", "prompt_id": "H2_Demographics::present::04bcb28b9de", "hypothesis": "H2_Demographics::present::04bcb28b9de"}
5  {"timestamp": "2025-11-09T16:55:11", "model": "chatgpt-gpt4", "prompt_id": "H3_Confirmation::neutral::0ec93e554295", "hypothesis": "H3_Confirmation::neutral::0ec93e554295"}
6  {"timestamp": "2025-11-09T16:55:11", "model": "chatgpt-gpt4", "prompt_id": "H3_Confirmation::confirm::5d2f987d8ab0", "hypothesis": "H3_Confirmation::confirm::5d2f987d8ab0"}
7  {"timestamp": "2025-11-09T16:55:12", "model": "chatgpt-gpt4", "prompt_id": "H4_Selection::broad::b1fdfabcfdda", "hypothesis": "H4_Selection::broad::b1fdfabcfdda"}
8  {"timestamp": "2025-11-09T16:55:12", "model": "chatgpt-gpt4", "prompt_id": "H4_Selection::narrow::04493d0b5896", "hypothesis": "H4_Selection::narrow::04493d0b5896"}
9  {"timestamp": "2025-11-09T16:55:13", "model": "chatgpt-gpt4", "prompt_id": "H5_Sentiment::wrong::5c63b40609ee", "hypothesis": "H5_Sentiment::wrong::5c63b40609ee"}
10 {"timestamp": "2025-11-09T16:55:13", "model": "chatgpt-gpt4", "prompt_id": "H5_Sentiment::opportunities::19f45b1a2582", "hypothesis": "H5_Sentiment::opportunities::19f45b1a2582"}
11

```

Analysis Complete:





```

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS
PS C:\Users\Hrush\Desktop\Semesters\OPT Research\Research Task 8\llm-bias-lab> & C:/Users/Hrush/AppData/Local/Programs/Python/Python313/python.exe "c:/Users/Hrush/Desktop/Semesters/OPT Research/Research Task 8/llm-bias-lab/llm-bias-lab/scripts/analyze_bias.py"
Loading responses from results/responses.jsonl...
Loaded 20 entries
Analyzing word-level overlap...
Analyzing sentiment bias...







✅ Analysis complete.
Files saved in C:\Users\Hrush\Desktop\Semesters\OPT Research\Research Task 8\llm-bias-lab\analysis
PS C:\Users\Hrush\Desktop\Semesters\OPT Research\Research Task 8\llm-bias-lab>

```

Folder Structure: Before

 Name	Date modified	Type	Size
 llm-bias-lab	11/9/2025 10:55 AM	File folder	
 prompts	11/9/2025 10:54 AM	File folder	
 results	11/9/2025 10:55 AM	File folder	

Folder Structure: After

 analysis	11/10/2025 11:10 PM	File folder	
 llm-bias-lab	11/10/2025 10:44 PM	File folder	
 prompts	11/10/2025 10:35 PM	File folder	
 results	11/10/2025 11:30 PM	File folder	
 Screenshots	11/10/2025 11:32 PM	File folder	
 session_commands_log	11/10/2025 10:57 PM	Text Document	66 KB