

VirnyFlow User Experience and Usability Survey

In this form, you will be asked to share feedback about your experience using **VirnyFlow**, as well as your impressions of the overall user study process.

** Indicates required question*

1. Email *

System Usability

2. ***It was easy to learn how to use VirnyFlow.*** *

Mark only one oval.

- ☐ Strongly disagree
- ☐ Disagree
- ☐ Neutral
- ☐ Agree
- ☐ Strongly Agree

3. ***VirnyFlow is flexible enough to let me define an evaluation protocol tailored to my future tabular ML tasks.*** *

Mark only one oval.

- ☐ Strongly disagree
- ☐ Disagree
- ☐ Neutral
- ☐ Agree
- ☐ Strongly agree

4. ***After using VirnyFlow, I feel more confident in developing context-sensitive ML pipelines that meet multiple objectives.*** *

Mark only one oval.

- ☐ Strongly disagree
- ☐ Disagree
- ☐ Neutral
- ☐ Agree
- ☐ Strongly agree

5. ***The VirnyFlow Interface on HuggingFace was clear and intuitive to use.*** *

Mark only one oval.

- ☐ Strongly disagree
- ☐ Disagree
- ☐ Neutral
- ☐ Agree
- ☐ Strongly agree

6. ***The features and visual elements of the VirnyFlow Interface would be useful for my own ML experimentation or ML pipeline development.*** *

Mark only one oval.

- ☐ Strongly disagree
- ☐ Disagree
- ☐ Neutral
- ☐ Agree
- ☐ Strongly agree

7. ***Please briefly describe the main pros and cons of VirnyFlow's evaluation protocol, which you saw in Task 2 on the Execution Progress page.*** *

Understanding and Decision Support

8. ***VirnyFlow helped me understand trade-offs between accuracy and fairness.*** *

Mark only one oval.

- ☐ Strongly disagree
- ☐ Disagree
- ☐ Neutral
- ☐ Agree
- ☐ Strongly agree

9. ***VirnyFlow's visualizations support my decision-making during pipeline development while keeping me in control of the process.*** *

Mark only one oval.

- ☐ Strongly disagree
- ☐ Disagree
- ☐ Neutral
- ☐ Agree
- ☐ Strongly agree

10. ***The visualizations or summaries provided by VirnyFlow made ML pipeline comparisons clearer.*** *

Mark only one oval.

- ☐ Strongly disagree
- ☐ Disagree
- ☐ Neutral
- ☐ Agree
- ☐ Strongly agree

11. ***If you were to complete all the same steps without VirnyFlow, how much longer do you think it would take you?*** *

Mark only one oval.

- ☐ About the same time
- ☐ 1.5× longer
- ☐ 2× longer
- ☐ 3× longer
- ☐ Much more (over 3× longer)

12. ***In a few sentences, summarize what you found most effective and most limiting about VirnyFlow's visualization features for supporting human-centered use.*** *

Overall Impressions and Feedback

13. **Overall, how satisfied were you with your experience using VirnyFlow? ***

Mark only one oval.

- ☐ Very dissatisfied
- ☐ Dissatisfied
- ☐ Neutral
- ☐ Satisfied
- ☐ Very satisfied

14. **Would you consider using VirnyFlow or similar tools in your own ML workflow? ***

Mark only one oval.

- ☐ Definitely not
- ☐ Probably not
- ☐ Maybe
- ☐ Probably yes
- ☐ Definitely yes

15. **What improvements or additional features would make VirnyFlow more useful to you? ***

16. ***Is there anything else you'd like to share about your experience during the study?*** *

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