

VirnyFlow Study Enrollment Form

Thank you for your interest in helping us evaluate **VirnyFlow**, a system for responsible model development. This study examines how data scientists interact with **VirnyFlow** and how well it supports designing context-aware machine learning (ML) pipelines that account for multiple objectives such as accuracy, fairness, and stability.

Please fill out this form to volunteer to join the study. We will follow up with an invitation for a remote session (approximately 90 minutes over Zoom). You will not be compensated for your participation. Participation is completely voluntary, and you may withdraw at any time without providing a reason.

In the study, you will first receive a short introductory PDF that explains the motivation for evaluation protocols in ML pipeline development, key performance metrics, and basics of multi-objective optimization. During the session, you will (1) watch a brief tutorial on VirnyFlow, (2) use VirnyFlow to measure and interpret model performance, and (3) explore a VirnyFlow interface and answer questions about performance trade-offs and optimization strategies. At the end, you will complete a brief online survey about your experience.

* Indicates required question

1. Email *

Personal information and educational background

2. What is your gender? *

Mark only one oval.

☐ Woman

☐ Man

☐ Non-binary / gender diverse

☐ Prefer not to say

☐ Other:

3. What is your highest academic degree? *

Dropdown

Mark only one oval.

- ☐ BS / BA
- ☐ MS / MA
- ☐ PhD
- ☐ Other

4. What is your current university or institution? *

5. What is your field of study (e.g., Computer Science, Data Science, Information Systems, etc)? *

Background relevant to this focus group

6. How familiar are you with the Python programming language *

Mark only one oval.

	1	2	3	4	5	
unfa	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	expert

7. How familiar are you with AutoML (e.g., Auto-sklearn, AutoGluon, Vertex AI, etc.)? *

Mark only one oval.

	1	2	3	4	5	
unfa	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	expert

8. How familiar are you with fairness and stability metrics of ML model performance (e.g., Equal Opportunity, Disparate Impact, Label Stability, etc.)? *

Mark only one oval.

	1	2	3	4	5	
unfa	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	expert

9. How familiar are you with Human-Centered Design approaches in developing ML systems (e.g., user interfaces, interaction design, etc.)? *

Mark only one oval.

	1	2	3	4	5	
unfa	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	expert

Consent

10. Please download, sign, and upload the consent form. *

Files submitted:

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