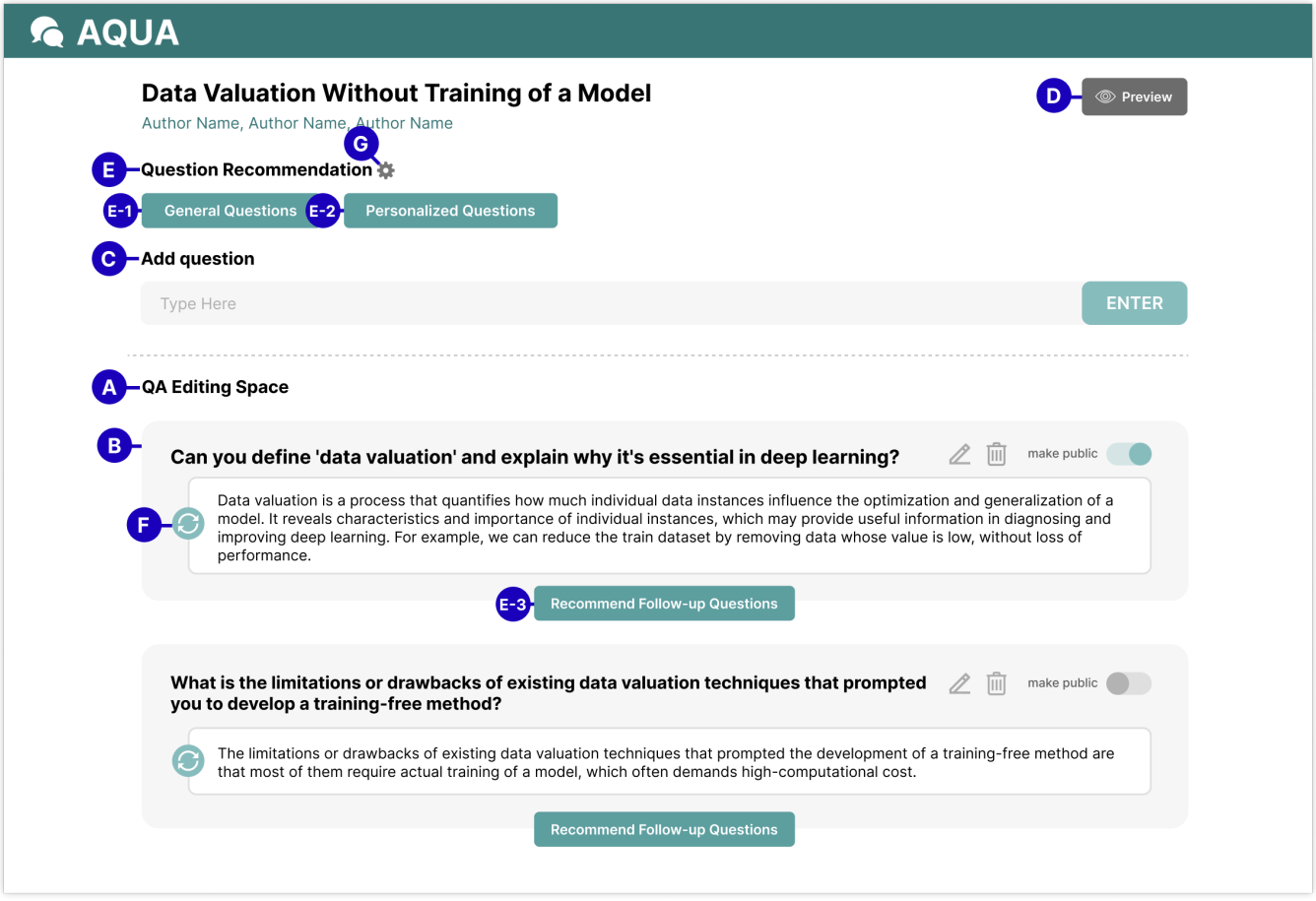

AQUA
Data Valuation Without Training of a Model
Author Name, Author Name, Author Name
D
Preview
G
E
Question Recommendation
E-1
General Questions
E-2
Personalized Questions
C
Add question
Type Here
ENTER
A
QA Editing Space
B
Can you define 'data valuation' and explain why it's essential in deep learning?
make public
F
Data valuation is a process that quantifies how much individual data instances influence the optimization and generalization of a model. It reveals characteristics and importance of individual instances, which may provide useful information in diagnosing and improving deep learning. For example, we can reduce the train dataset by removing data whose value is low, without loss of performance.
E-3
Recommend Follow-up Questions
What is the limitations or drawbacks of existing data valuation techniques that prompted you to develop a training-free method?
make public
The limitations or drawbacks of existing data valuation techniques that prompted the development of a training-free method are that most of them require actual training of a model, which often demands high-computational cost.
Recommend Follow-up Questions