

Forum: Bias

Now that you've become acquainted with different forms of bias and potential solutions, reflect on the following questions and discuss your response with other students taking this course!

Which form of bias did you find most surprising or interesting? Which form of bias do you think poses the most serious challenge to TinyML? Why?

As a reminder, these are some common forms of bias discussed in the video:

- Defining the target variable
- Labeling the data
- Sampling the data
- Prejudice reflected in the data
- Measurement distortion

Which solutions for bias (either industry or individual designer) do you think are most promising? Are there any obstacles you can foresee for the solutions you think are most promising?

As a reminder, industry solutions included datasheets for datasets, data nutrition labels, and bias testing toolkits. Individual designer solutions included recommendations such as carefully researching users in advance, ensuring your team of data scientists and data labelers are diverse, combining inputs from multiple sources to ensure data diversity, creating a gold standard for data labeling, and seeking out domain experts to review your data.