

# Embedded Ethics

## Ethics of Algorithms for Resource Allocation Module

### Post-Module Assignment<sup>1</sup>

#### **BACKSTORY**

Imagine that after graduation, you end up working as a software engineer for a healthcare startup. The main product of your startup is an algorithm that reads doctors' clinical notes in free-form text and predicts if the patient has an early-stage cancer.

#### **Q1 [1 Points] Stakeholders**

Identify five stakeholders in this setting. For each stakeholder, note whether you believe they are primary or secondary. Use your imagination and try to identify stakeholders that one might miss at the first glance.

#### **Q2 [1 Points] Ethical Issues**

List three potential ethical concerns that might arise when an algorithm for this problem is deployed in the real world. You can make any reasonable assumption about how the algorithm works. You do not necessarily have to restrict yourself to the type of concerns we discussed in the module (i.e., related to fairness or distributive justice).

#### **Q3 [1 Points] Communication**

Pick one of the potential ethical concerns you identified in Q2. Phrase a question that you would ask your supervisor to help determine if this ethical concern is indeed present in your company's algorithm. Alternatively, phrase a suggestion that you would provide your supervisor to help address this concern.

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