

1. How is the way you clicked through the slides using dice rolls and coin flips similar to or different from how you think about speaking/writing? [*identity (self in relation to AI)*]
2. Imagine you ask an AI language model to complete the sentence “Her favorite thing is...” in two words.
  - a. What words is the AI **most likely to give** if it isn’t able to use the context of surrounding words, and only knows the following words and their probabilities of being chosen: [*LO1*]

Word	Probability
Green	1/4
City	2/4
Running	1/4

“Her favorite thing is \_\_\_\_\_ ”

- b. What is the probability of the sentence “Her favorite thing is green running” being generated? [*LO1*]

- c. What words is the AI **most likely to give** if it knows the following words and their likelihood of being chosen given some words that come before it: [*LO2*]

1.

Given	Next Word	Probability
Her favorite thing is...	Creating	8/10
Her favorite thing is...	Being	2/10

“Her favorite thing is \_\_\_\_\_ ”

2.

Given	Next Word	Probability
Her favorite thing is creating...	Art	3/4
Her favorite thing is creating...	Friendships	1/4

Her favorite thing is being...	Kind	1/2
Her favorite thing is being...	Helpful	1/2

- d. What is the probability of the sentence “Her favorite thing is being kind” being generated? [LO2]
- e. Which sentence made more sense— the one from parts *a and b* or the one from parts *c and d*? Why? [LO3]
- f. If the model is asked to complete the sentence “His favorite thing is...” in two words, the most likely sentence is “His favorite thing is being adventurous.” Why might this be the case? Is this an issue? [LO4, LO5]

Questions 3 & 4 are about the following scenario: Imagine that you had to build a language model that a computer could use to write sentences about you and your life.

3. How would you gather the knowledge for your language model? [LO4]

4. What are two issues you might run into? [LO5] (*For example, your language model might produce sentences you would not say... how might that be an issue? What other issues might arise?*)

a.

b.