Mutual Information Example

What’s for dinner at the cafeteria depends on what was for lunch. If cauliflower for lunch, more likely that cauliflower casserole will be for dinner.

If I’m wondering what’s for dinner, and you tell me that there was cauliflower for lunch, I would thank you for the information you just gave me.

- Note that we can calculate the lunch-dinner mutual information without knowing the “laws” of the cafeteria.

- The mutual information vanishes if the cafeteria is perfectly random or perfectly predictable.