

Summary of Student Answers from the 09/05 reading assignment

[Compiled by Anne Schwartz]

Q2: The author mentions how "substantive expertise" is important in order to do data science. Since we are collecting data about food/eating this week, think of TWO hypotheses that we can test scientifically through the data collection (if we put together the data of all students in the class).

OVERVIEW:

MOST COMMON HYPOTHESES

1. Wellesley Students drink A LOT of coffee (5 students said this)
2. Wellesley students waste a lot of food (3 students)
3. Dinner is the biggest meal (3 students)
4. Wellesley students eat fewer than 3 meals on the weekends (3 students)

Categories of the Hypotheses:

1. Size and length of different meals
2. Types of food people are eating
3. Who people are eating with
4. How day of the week impacts eating habits
5. The "healthiness" of the eating habits of wellesley students

THE DATA:

- Wellesley students usually eat dinner between 5:00 - 6:30pm
- Wellesley students usually eat two meals, rather than three, on Saturday and Sunday (FEWER MEALS ON WEEKENDS)

Wellesley students eat a smaller variety of food in the morning.

Wellesley students sleep after midnight.

"Wellesley students prefer to drink water at meals"/"Wellesley students drink less than 16 ounces of soda a week." (WATER NOT SODA)

"Wellesley students don't eat red meat" (NO MEAT)

Wellesley students are more likely to eat in the dining halls during breakfast and lunch than during dinner. The majority of students have at least two cups of coffee per day. (A LOT OF COFFEE)

Hypothesis 1: Wellesley students eat primarily in the dining halls.

Hypothesis 2: Wellesley students who eat an early breakfast also eat more than three times per day.

Wellesley students choose to eat vegetarian options more than non-vegetarian options. (NO MEAT)

Wellesley students eat breakfast alone. (BREAKFAST ALONE)

Students eat fewer meals in the dining hall on weekends (FEWER MEALS ON WEEKENDS)

Student's meals consist of proportionally more fruits and vegetables during the early days of the week(M,T,W) than the later days of the week(Th,F,S) (UNHEALTHY EATING, especially later in the week)

I hypothesize that students spend on average, the most time eating during dinner. **

I would also guess that the majority of students have snacks at odd hours of the day because the dining hall schedule makes it difficult to stay not-hungry during off-hours. (SNACKS MORE THAN MEALS)

1) Wellesley students waste a lot of food (FOOD WASTE)

2) Wellesley students do not give themselves time to get and enjoy their food because they are in a rush

1. Wellesley students eat more for dinner than breakfast. (DINNER BIGGEST MEAL)

2. On average, Wellesley students take more food than they will consume. (FOOD WASTE)

Hypothesis 1: Wellesley students snack more than meals. (SNACKS MORE THAN MEALS)

Hypothesis 2: Wellesley students eat more meals with friends.

Hypothesis 1: If a student skips one meal out of the day they will most likely overcompensate with their next meal.

Hypothesis 2: If a student is eating food with friends they will most likely eat less.

First Hypothesis: Wellesley students don't eat the recommended amounts of fruits and vegetables a day (UNHEALTHY EATING)

Second Hypothesis: More students drink water than any other beverage (WATER NOT SODA)

1) Wellesley students drink more water than they do soda. (WATER NOT SODA)

2) More Wellesley students eat lunch at 12:30pm than they do at 11:30am

1. Wellesley students eat their heaviest meal of the day as dinner. (DINNER BIGGEST MEAL)

2. Wellesley students eat more salads for lunch than dinner.

CS234 students drink more than two cups of coffee per day. (A LOT OF COFFEE)

CS234 students eat at Bates dining hall more often than not.

1. Wellesley student drinks at least one coffee per day. (A LOT OF COFFEE)

2. Wellesley student eats breakfast dinner later on a weekend. (FEWER MEALS ON WEEKENDS)

Wellesley students eat breakfast alone. (BREAKFAST ALONE)

Breakfast is the shortest meal of the day for students. **

Wellesley students order takeout once a week.

Wellesley students eat pizza more often than they eat vegetables. (UNHEALTHY EATING)

Wellesley students drink more coffee in the morning. (A LOT OF COFFEE)

Wellesley students eat a large lunch. (LARGE LUNCH)

Wellesley students tend to eat more for lunch than for breakfast or dinner. (LARGE LUNCH)

Wellesley students eat healthier in Pomeroy dining hall than in Stone-Davis.

The first hypothesis would be "Wellesley students sleep less than 8 hours."

The second hypothesis would be "Wellesley students waste food." (FOOD WASTE)

1) Wellesley students' biggest meal is dinner (or the last meal of the day) (DINNER BIGGEST MEAL)

2) Wellesley students have a drink with each meal

1. Wellesley students drink coffee every morning (A LOT OF COFFEE)

2. Wellesley students eat 2 dinners (or dinner and a late snack)

Q3: Put yourself in the shoes of the culinary historian, Laura Shapiro, of the NY Times article. If you are given the 600+ photos that your classmates will take for one week, what are TWO questions you would ask, for which the answer would come by looking at the photos?

OVERVIEW:

The most common questions:

1. **BY FAR: How "healthy" is the diet of Wellesley College students? - Do they eat a lot of fried food? Do they eat a lot of fast food? Do they have a balanced diet? (10 questions asked in this category)**
2. **What type of food do they eat? - Are they vegetarians? Is there a common diet at Wellesley? (5 questions asked in this category)**
3. **Do people waste food at Wellesley? - How often do people finish everything on their plate? (5 questions asked in this category)**
4. **Do people repeat meals? (3 questions asked in this category)**

THE DATA:

- are students generally eating fully-prepared food (ex. pizza, hamburger) or food with some prep (ex. putting together salad)? (PRE-MADE OR SELF MADE)

- what kinds of food are students generally, or overwhelmingly, eating for various meals? Ex. Are salads usually eaten with lunch or dinner, or both. (WHAT TYPE OF FOOD IS MOST COMMON?)

What is the average duration of each meal?

How much food goes to waste per person, for each meal? (WASTE?)

What is the frequency with which students eat meat?

At what frequency do students opt to build their meal (use the ingredients in the dining halls to create unique meals, as opposed to the pre-made entrees, or cook for themselves)? (PRE-MADE OR SELF MADE)

How many types of food does one eat on average during a single meal?

How often does one eat fruits? (HEALTHY?)

Question 1: How often did students take meals per day?

Question 2: What dietary elements most overlapped between students' meals? (WHAT TYPE OF FOOD IS MOST COMMON?)

Do people's food choices change upon the presence of other people? (IMPACT OF PEOPLE AROUND ON HOW YOU EAT)

Do different Wellesley dining halls have an impact on how healthy someone eats? (HEALTHY?)

1) Do people tend to finish all the food on their plates? (WASTE?)

2) What percentage of meals are repeated throughout the week? (REPEATED MEALS?)

Which dining hall is used the most in this data set?

What average times are for people's meals (especially dinner)? (I'm not too happy with dining hall hours, maybe this data will prove my theory that dining halls need to be open later).

1) why do you feel the urge to post photos of food when you go out? because it's pretty? to show off that you're going out? just to enjoy?

2) do wellesley students only eat for a source of fuel or enjoyment? (FUEL OR ENJOYMENT)

3) they don't eat enough (in a rush) thus snack a lot

How does photography skill (judged by lighting, framing, arrangement) vary depending on time of meal (if it does at all)?

How does (if at all) the presence of more people at the table affect the amount of food eaten/left over? (IMPACT OF PEOPLE AROUND ON HOW YOU EAT)

1. What is the classmates' diet (ie. vegan, vegetarian, etc) (WHAT TYPE OF FOOD IS MOST COMMON?)

2. Does the classmate like to cook their own food or get take out. (PRE-MADE/TAKE-OUT OR SELF MADE)

What are some ways I can group these photos based on similarities?

How many pictures did each person take of the same food? (REPEATED MEALS?)

"Was the food enjoyable?" (FUEL OR ENJOYMENT)

"Which dining hall is the most popular for dinner?"

1) Do people drink water with their food?

2) Do most people eat dinner at 6:00pm?

1. Are we more likely to finish meals we prepare ourselves?

2. Do we care more about presentation when we eat with others? (IMPACT OF PEOPLE AROUND ON HOW YOU EAT)

How many of the students are vegetarian? (WHAT TYPE OF FOOD IS MOST COMMON?)

How artificial and processed is the food that is being consumed? (HEALTHY?)

How often do my class mates finish their meals? (WASTE?)

Who do my class mates eat with? (DO PEOPLE EAT WITH OTHERS)

majority of American are non-vegetarian? (WHAT TYPE OF FOOD IS MOST COMMON?)

majority of American likes to eat fried food? (HEALTHY?)

Do Wellesley students ever eat three meals?

Do students eat healthy? (HEALTHY?)

What percentage of Wellesley students' meals are taken in dining halls?

Which meals are most often skipped?

How many people have a healthy diet? (HEALTHY?)

How often do people eat fast food? (HEALTHY?)

How much food waste do Wellesley students generate on average per meal? (WASTE?)

Do students eat a varied diet, or do they tend to gravitate towards the same food staples during their meals? (REPEATED MEALS?)

The first question would be "Do these meals constitute a balanced diet?" (HEALTHY?)

The second question would be "Are students over eating?" (HEALTHY?)

1) Do Wellesley students typically eat three meals a day (breakfast, lunch, and dinner)?

2) Which meal or meals are eaten with other people? (DO PEOPLE EAT WITH OTHERS)

1. Does wellesley fresh make it appealing and easy to eat healthy? (HEALTHY?)

2. Do wellesley students generate a lot of food waste? (WASTE?)