

Thank you for participating in the study. Please answer the following questions.

Part 1: Demographic Survey

1. What is your age?

2. What is your gender?

☐ Female

☐ Male

☐ Prefer not to identify

3. Which program are you in (e.g. MS HCI, MS Analytics, and PhD CS)?

4. Are you a native speaker of English?

☐ Yes

☐ No

5. How would you rate your fluency in written English?

☐ Fully Fluent

☐ Proficient

☐ Intermediate

☐ Beginner

6. Please estimate your experience level in data analysis (circle your answer).

1
(novice)

2

3

4

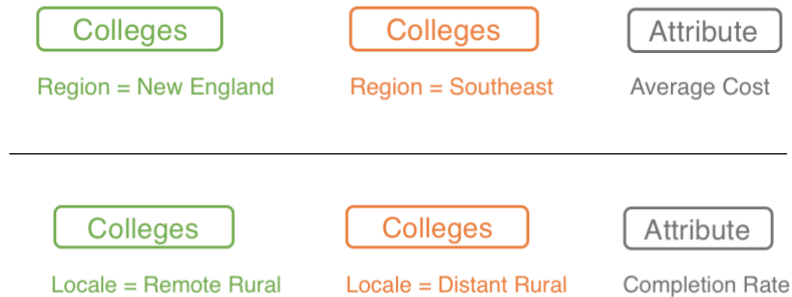
5

6

7
(expert)

Part 2: Task-Related Survey

1. Consider the **first tasks** you performed with interface A and interface B...



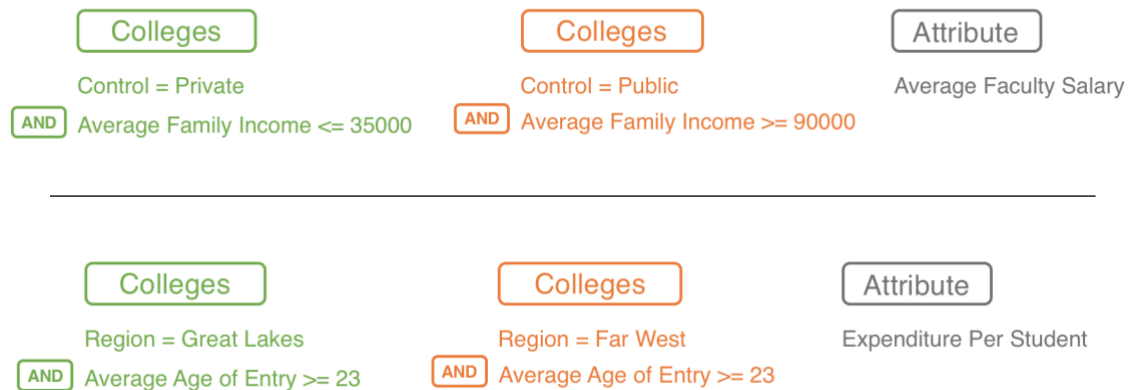
- a. Which interface made it easier to articulate the above visual language (in other words, which interface made it easier to specify the above pairwise comparison questions)?

1 2 3 4 5 6 7
interface A **neutral** **interface B**
much easier much easier

- b. Which interface would you prefer to perform the above tasks?

☐ Interface A
☐ Interface B

2. Consider the **second tasks** you performed with interface A and interface B...



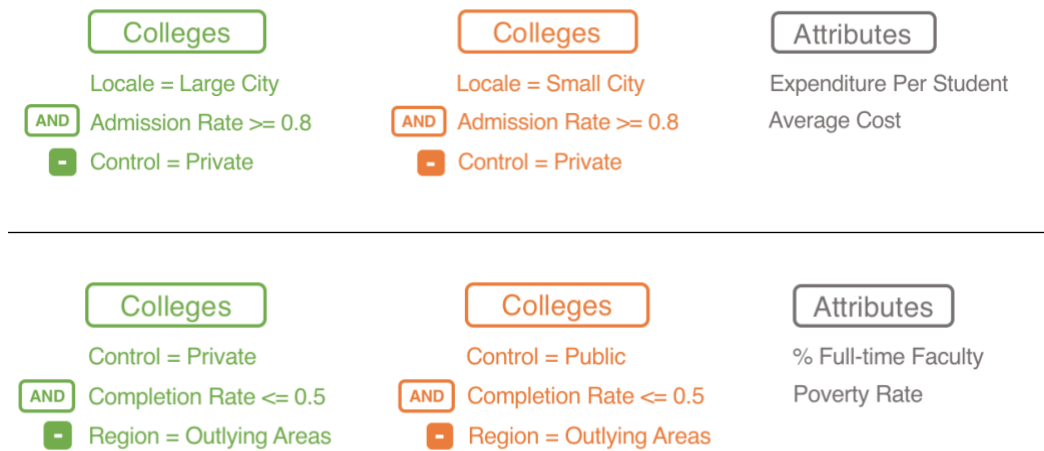
a. Which interface made it easier to articulate the above visual language (in other words, which interface made it easier to specify the above pairwise comparison questions)?

1 2 3 4 5 6 7
interface A **neutral** **interface B**
much easier

b. Which interface would you prefer to perform the above tasks?

☐ Interface A
☐ Interface B

3. Consider the **third tasks** you performed with interface A and interface B...



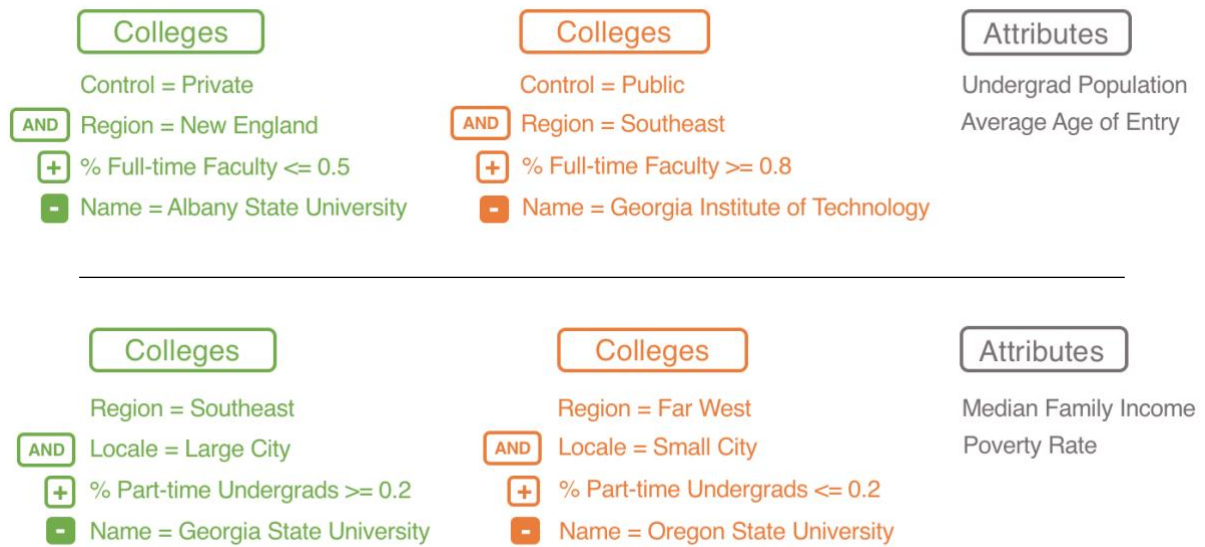
a. Which interface made it easier to articulate the above visual language (in other words, which interface made it easier to specify the above pairwise comparison questions)?

1 2 3 4 5 6 7
interface A neutral interface B
much easier much easier

b. Which interface would you prefer to perform the above tasks?

[] Interface A
[] Interface B

4. Consider the **fourth tasks** you performed with interface A and interface B...



a. Which interface made it easier to articulate the above visual language (in other words, which interface made it easier to specify the above pairwise comparison questions)?

1 2 3 4 5 6 7
interface A **neutral** **interface B**
much easier much easier

b. Which interface would you prefer to perform the above tasks?

[] Interface A
[] Interface B