

# AB Illusion - AV, Genes Full Experiment

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## Start of Block: Intro

### Intro

We are conducting a brief survey on decision-making. You will be asked to respond to a series of questions. You will be compensated \$0.35 for your time.

Please click the box below to continue to the survey.

## End of Block: Intro

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## Start of Block: A/B

xA1 Some genetic mutations lead to health conditions that can make a person sick, or even cause them to die. Many of these health conditions can be prevented or slowed by taking certain steps once a person knows they have a genetic condition, but others cannot. A certain genetic testing company currently only returns "genealogy" results, about customers' family tree and national origins, but the CEO wants to help as many people as he can. So, he decides that he will offer all of his clients the option to see if they have any genetic risks for health conditions that can be prevented or reduced. Customers will have the option of viewing these results or not.

**How appropriate is the CEO's decision?**

- ☐ Very inappropriate (1)
  - ☐ Somewhat inappropriate (2)
  - ☐ Neither inappropriate or appropriate (3)
  - ☐ Somewhat appropriate (4)
  - ☐ Very appropriate (5)
- 

xB1 Some genetic mutations lead to health conditions that can make a person sick, or even cause them to die. Many of these health conditions can be prevented or slowed by taking certain steps once a person knows they have a genetic condition, but others cannot. A certain

genetic testing company currently only returns "genealogy" results, about customers' family tree and national origins, but the CEO wants to help as many people as he can. So, he decides that he will offer all of his clients the option to see if they have any genetic risks for health conditions, whether or not these health conditions can be prevented or reduced. Customers will have the option of viewing these results or not.

**How appropriate is the CEO's decision?**

- ☐ Very inappropriate (1)
  - ☐ Somewhat inappropriate (2)
  - ☐ Neither inappropriate or appropriate (3)
  - ☐ Somewhat appropriate (4)
  - ☐ Very appropriate (5)
-

xAB1s Some genetic mutations lead to health conditions that can make a person sick, or even cause them to die. Many of these health conditions can be prevented or slowed by taking certain steps once a person knows they have a genetic condition, but others cannot. A certain genetic testing company currently only returns "genealogy" results, about customers' family tree and national origins, but the CEO wants to help as many people as he can. He thinks of two different ways to help customers, so he decides to run an experiment by randomly assigning them to one of two test conditions. He will offer half of his clients the option to see if they have any genetic risks for health conditions that can be prevented or reduced. He will offer the other half the option to see if they have any genetic risks for health conditions, whether or not these health conditions can be prevented or reduced. Customers in both test conditions will have the option of viewing the additional results offered to them.

**How appropriate is the CEO's decision?**

- ☐ Very inappropriate (1)
  - ☐ Somewhat inappropriate (2)
  - ☐ Neither inappropriate or appropriate (3)
  - ☐ Somewhat appropriate (4)
  - ☐ Very appropriate (5)
-

xAB1I

Some genetic mutations lead to health conditions that can make a person sick, or even cause them to die. Many of these health conditions can be prevented or slowed by taking certain steps once a person knows they have a genetic condition, but others cannot. A certain genetic testing company currently only returns "genealogy" results, about customers' family tree and national origins, but the CEO wants to help as many people as he can. He thinks of two different ways to help customers, so he decides to run an experiment by randomly assigning them to one of two test conditions. He will offer half of his clients the option to see if they have any genetic risks for health conditions that can be prevented or reduced. He will offer the other half the option to see if they have any genetic risks for health conditions, whether or not these health conditions can be prevented or reduced. Customers in both test conditions will have the option of viewing the additional results offered to them. After one year, the CEO will provide all new customers with the option that led to the highest customer satisfaction during the experiment.

**How appropriate is the CEO's decision?**

- ☐ Very inappropriate (1)
  - ☐ Somewhat inappropriate (2)
  - ☐ Neither inappropriate or appropriate (3)
  - ☐ Somewhat appropriate (4)
  - ☐ Very appropriate (5)
-

xA2 Many people like the idea of completely self-driving cars, which are capable of navigating the road without any input from a human driver. These kinds of cars can make people's lives easier and reduce accidents, but some of them prevent people from taking control of their car in the case of emergency. The CEO of a company developing self-driving cars wants people to have as much freedom as possible while on the road, while also remaining safe. So, he decides that all of the company's cars will have a lever that allows drivers to switch between self-driving and human-driving modes.

**How appropriate is the CEO's decision?**

- ☐ Very inappropriate (1)
  - ☐ Somewhat inappropriate (2)
  - ☐ Neither inappropriate or appropriate (3)
  - ☐ Somewhat appropriate (4)
  - ☐ Very appropriate (5)
- 

xB2 Many people like the idea of completely self-driving cars, which are capable of navigating the road without any input from a human driver. These kinds of cars can make people's lives easier and reduce accidents, but some of them prevent people from taking control of their car in the case of emergency. The CEO of a company developing self-driving cars wants people to have as much freedom as possible while on the road, while also remaining safe. So, he decides that any use of the brakes, gas pedal, or steering wheel by a human driver will automatically override self-driving mode on the company's cars.

**How appropriate is the CEO's decision?**

- ☐ Very inappropriate (1)
  - ☐ Somewhat inappropriate (2)
  - ☐ Neither inappropriate or appropriate (3)
  - ☐ Somewhat appropriate (4)
  - ☐ Very appropriate (5)
-

xAB2s Many people like the idea of completely self-driving cars, which are capable of navigating the road without any input from a human driver. These kinds of cars can make people's lives easier and reduce accidents, but some of them prevent people from taking control of their car in the case of emergency. The CEO of a company developing self-driving cars wants people to have as much freedom as possible while on the road, while also remaining safe. The CEO thinks of two different ways to balance freedom and safety, so he decides to run an experiment by randomly assigning cars to one of two test conditions. Half of cars the company sells will have a lever that allows drivers to switch between self-driving and human-driving modes. The other half will be programmed so that any use of the brakes, gas pedal, or steering wheel by a human driver will automatically override self-driving mode on the company's cars.

**How appropriate is the CEO's decision?**

- ☐ Very inappropriate (1)
  - ☐ Somewhat inappropriate (2)
  - ☐ Neither inappropriate or appropriate (3)
  - ☐ Somewhat appropriate (4)
  - ☐ Very appropriate (5)
-

xAB2I Many people like the idea of completely self-driving cars, which are capable of navigating the road without any input from a human driver. These kinds of cars can make people's lives easier and reduce accidents, but some of them prevent people from taking control of their car in the case of emergency. The CEO of a company developing self-driving cars wants people to have as much freedom as possible while on the road, while also remaining safe. The CEO thinks of two different ways to balance freedom and safety, so he decides to run an experiment by randomly assigning cars to one of two test conditions. Half of cars the company sells will have a lever that allows drivers to switch between self-driving and human-driving modes. The other half will be programmed so that any use of the brakes, gas pedal, or steering wheel by a human driver will automatically override self-driving mode on the company's cars. After a year, the CEO will have all of the company's cars built using whichever design turns out to lead to the fewest accidents.

**How appropriate is the CEO's decision?**

- ☐ Very inappropriate (1)
- ☐ Somewhat inappropriate (2)
- ☐ Neither appropriate or inappropriate (3)
- ☐ Somewhat appropriate (4)
- ☐ Very appropriate (5)

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FreeResponse In a couple of sentences, please tell us why you chose the option you chose.

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End of Block: A/B

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Start of Block: ScienceLiteracy

PlantFood Two scientists want to know if a certain new plant food will increase plant growth. The first scientist wants to give the new food to 1,000 plants and see how many of them grow

larger than they were before they received the new food. The second scientist wants to give the new food to 500 plants and give the normal, standard food to another 500 plants, and see whether the plants in the first group grow more than the plants in the second group.

**Which is the better way to test this plant food?**

- ☐ Give the new food to all 1,000 plants. (1)
- ☐ Give the new food to 500 plants and give the normal, standard food to another 500 plants. (2)

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Page Break



Genes A doctor tells a couple that their genetic makeup means that they have a one in four chance of having a child with an inherited illness.

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GenesAnswer Does this mean that if their first child has the illness, the next three will not?

- ☐ No, the next three still might inherit the illness. (1)
- ☐ Yes, none of the next three children will have the illness. (2)

End of Block: ScienceLiteracy

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Start of Block: ScienceLiteracyTF

Q24 Please indicate whether the following statements are true or false.

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Earth The center of the Earth is very hot.

- ☐ True (1)
  - ☐ False (2)
- 

Radioact All radioactivity is man-made.

- ☐ True (1)
  - ☐ False (2)
-

Lasers Lasers work by focusing sound waves.

☐ True (1)

☐ False (2)

---

Electrons Electrons are smaller than atoms.

☐ True (1)

☐ False (2)

---

Continents The continents have been moving their location for millions of years and will continue to move.

☐ True (1)

☐ False (2)

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Gender It is the father's gene that decides whether the baby is a boy or a girl.

☐ True (1)

☐ False (2)

---

Antibiotics Antibiotics kill viruses as well as bacteria.

☐ True (1)

☐ False (2)

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degree Do you have a college or graduate school degree in any science or engineering field?

- ☐ Yes, I do. (1)
- ☐ No, I do not. (2)

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Degree\_spec If you answered 'yes' to the question above, please enter the specific science or engineering field below.

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End of Block: ScienceLiteracyTF

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Start of Block: GodBeliefs

Q34 Please indicate how strongly you agree or disagree with each of the following statements.

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God God or some type of nonhuman entity is in control of the events in the universe.

- ☐ Strongly disagree (1)
- ☐ Somewhat disagree (2)
- ☐ Neither disagree nor agree (3)
- ☐ Somewhat agree (4)
- ☐ Strongly agree (5)

Intuition We believe too often in science, and not enough in feelings and faith.

- ☐ Strongly disagree (1)
  - ☐ Somewhat disagree (2)
  - ☐ Neither disagree nor agree (3)
  - ☐ Somewhat agree (4)
  - ☐ Strongly agree (5)
- 

Science Knowledge can best be obtained through scientific research.

- ☐ Strongly disagree (1)
- ☐ Somewhat disagree (2)
- ☐ Neither disagree nor agree (3)
- ☐ Somewhat agree (4)
- ☐ Strongly agree (5)

End of Block: GodBeliefs

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Start of Block: Demographics

Sex What is your sex?

- ☐ Male (1)
  - ☐ Female (2)
  - ☐ Other (3)
-

Race/Ethnicity What race/ethnicity do you consider yourself? Check all that apply.

☐ Black/African-American (1)

☐ Hispanic or Latino (2)

☐ White (3)

☐ Asian (4)

☐ Other (5)



Age What is your age (in years)?

\_\_\_\_\_

Education What is the highest level of education you have received?

☐ Less than High School (1)

☐ High School Degree (2)

☐ Some College (3)

☐ Four-Year College Degree (4)

☐ Some Graduate School (5)

☐ Graduate Degree (6)

Income What is the total annual income from everyone in your household?

- ☐ Less than \$20,000 (1)
- ☐ Between \$20,000 and \$40,000 (2)
- ☐ Between \$40,000 and \$60,000 (3)
- ☐ Between \$60,000 and \$80,000 (4)
- ☐ Between \$80,000 and \$100,000 (5)
- ☐ More than \$100,000 (6)

End of Block: Demographics

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Start of Block: Debrief

Debrief Thank you for participating in our study. Your completion code to enter into Mechanical Turk will be displayed on the next page. Please copy this code down so that you may enter it into Mechanical Turk to receive credit for your participation.

Click the box below to proceed to your completion code.

End of Block: Debrief

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