

Supplement to “Testing axioms of stochastic discrete choice using population choice probabilities”

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Abstract

This is a supplement.

1 Domains

^{*}william.j.mccausland@umontreal.ca, File: `population_supplement.tex`, Very preliminary.

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Male stars

The source for this domain is the website ranker.com, accessed June 4, 2017. The list is “The best actors working today”. The choices are the top five actors in that list, in order.

Which movie star would you choose to have lunch with?

- Tom Hanks
- Kevin Spacey
- Morgan Freeman
- Leonardo DiCaprio
- Christian Bale

Random screenshot

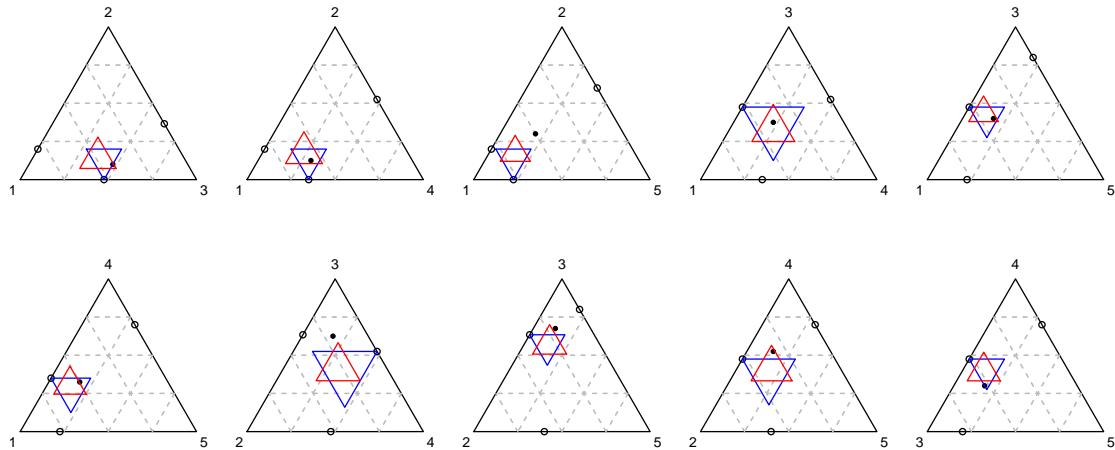
Male Stars

Which movie star would you choose to have lunch with?

Tom Hanks
 Leonardo DiCaprio

>>

Observed binary and ternary choices



1.1 Female stars

The source for this domain is the website ranker.com, accessed June 4, 2017. The list is “The best American actresses working today”. These are the top five actors in that list, in order. Jodie Foster’s name was misspelled in the experiment, as two participants noted in the comments.

Which movie star would you choose to have lunch with?

- Meryl Streep
- Jody Foster
- Kathy Bates
- Amy Adams
- Julianne Moore

Random screenshot

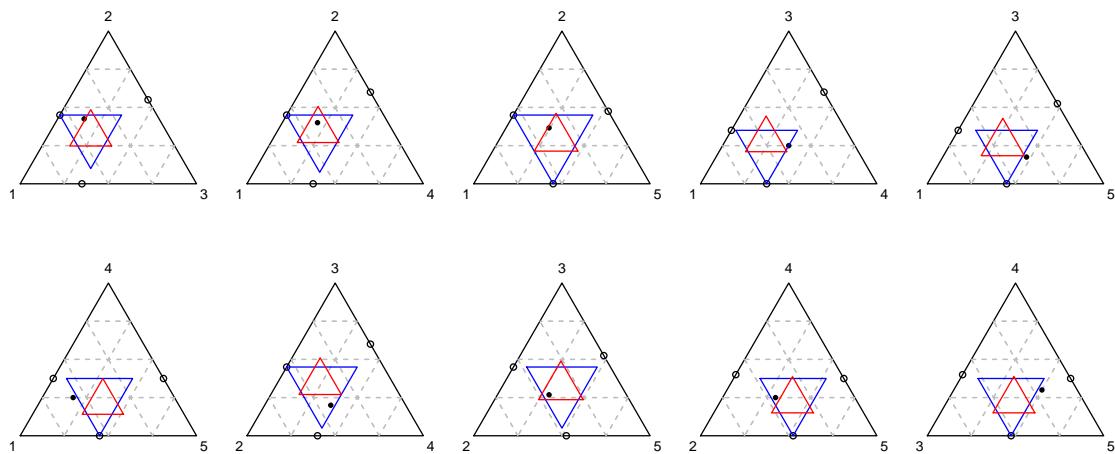
Female Stars

Which movie star would you choose to have lunch with?

Jody Foster
 Julianne Moore
 Meryl Streep

>>

Observed binary and ternary choices



1.2 Films

The source for this domain is the IMDb list “Most Popular Feature Films Released 1990 to 1999”. The decade was chosen so that the films would not be easily recognizable by most respondents.

Judging from the following descriptions of films, which one of the films would you choose to see?

- Two imprisoned men bond over a number of years, finding solace and eventual redemption through acts of common decency.
- Mathilda, a 12-year-old girl, is reluctantly taken in by Léon, a professional assassin, after her family is murdered. Léon and Mathilda form an unusual relationship, as she becomes his protégé and learns the assassin's trade.
- The lives of two mob hit men, a boxer, a gangster's wife, and a pair of diner bandits intertwine in four tales of violence and redemption.
- A sexually frustrated suburban father has a mid-life crisis after becoming infatuated with his daughter's best friend.
- Identical twins, separated at birth and each raised by one of their biological parents, discover each other for the first time at summer camp and make a plan to bring their wayward parents back together.

Random screenshot

Films

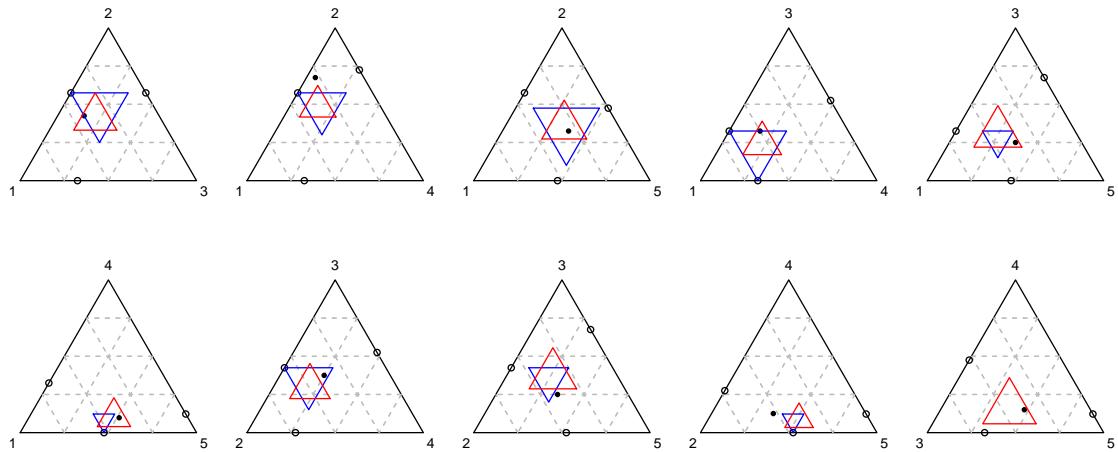
Judging from the following descriptions of films, which one of the films would you choose to see?

The lives of two mob hit men, a boxer, a gangster's wife, and a pair of diner bandits intertwine in four tales of violence and redemption.

Identical twins, separated at birth and each raised by one of their biological parents, discover each other for the first time at summer camp and make a plan to bring their wayward parents back together.

>>

Observed binary and ternary choices



1.3 Star pairs

Here, choice objects are pairs of movie stars from a set of four movie stars: Tom Hanks, Scarlett Johansson, Brad Pitt and Angelina Jolie. The only missing pair is Brad Pitt and Angelina Jolie. One possible measure of similarity is the number of actors in common between two pairs, with values 0 and 1. There are nine doubleton choice sets (i.e. pairs of actor pairs) with one star in common and one ($\{c, d\}$) without any stars in common. Thus there are three triples ($\{a, c, d\}$, $\{b, c, d\}$, $\{c, d, e\}$) where one might expect a similarity effect.

In this example, respondents' preferences may depend not only on their liking of particular actors but also on complementaries between actors.

Knowing only who is starring, which one of these new films would you choose to see?

- Tom Hanks and Scarlett Johansson
- Scarlett Johansson and Brad Pitt
- Tom Hanks and Brad Pitt
- Scarlett Johansson and Angelina Jolie
- Tom Hanks and Angelina Jolie

Random screenshot

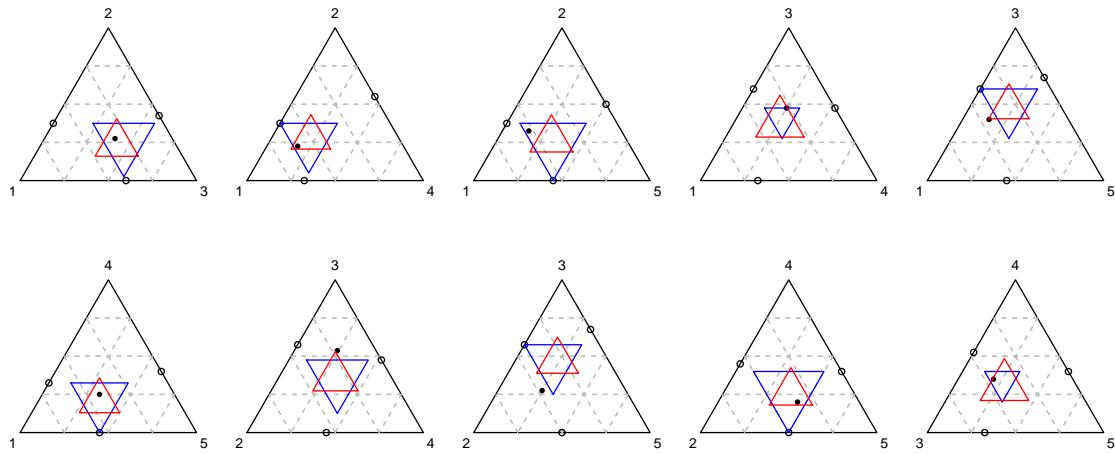
Star pairs

Knowing only who is starring, which one of these new films would you choose to see?

Scarlett Johansson and Angelina Jolie
 Tom Hanks and Brad Pitt
 Tom Hanks and Angelina Jolie

>>

Observed binary and ternary choices



1.4 Pizzas

The source for this domain is a Montreal pizza restaurant. All these pizzas are either 12 or 13 dollars.

Which one of the following pizzas would you choose?

- Mozzarella, tomato sauce, basil
- Pepperoni, mushrooms, green pepper, mozzarella, tomato sauce
- Red onion, tomato sauce, feta, mozzarella, olive oil, Greek spices, tomato sauce
- Bacon, white onion, mozzarella, parmesan, fresh cream, tomato sauce, ground pepper
- Mushrooms, green pepper, mozzarella, tomato sauce

Random screenshot

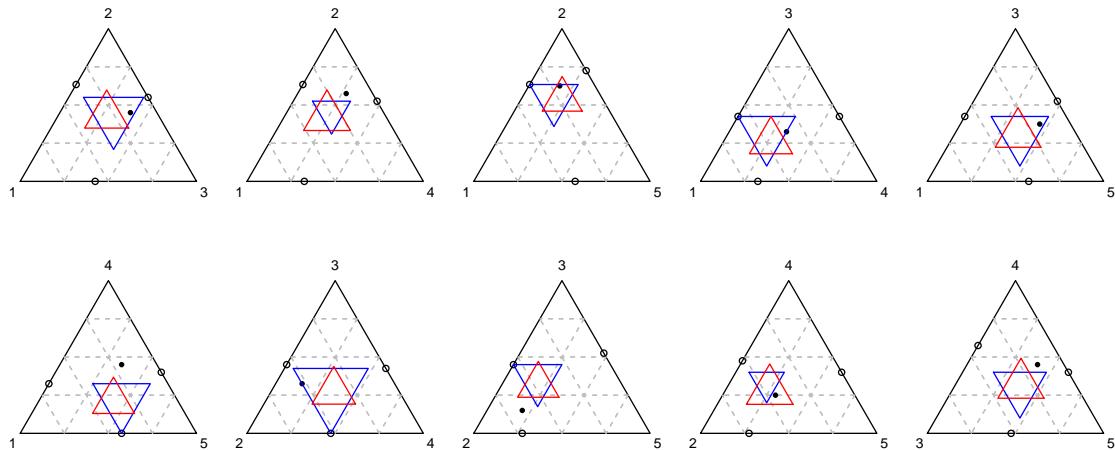
Pizzas

Which one of the following pizzas would you choose?

Mozzarella, tomato sauce, basil
 Bacon, white onion, mozzarella, parmesan, fresh cream, tomato sauce, ground pepper
 Mushrooms, green pepper, mozzarella, tomato sauce
 Red onion, tomato sauce, feta, mozzarella, olive oil, Greek spices, tomato sauce

>>

Observed binary and ternary choices



1.5 Juices

Which one of the following fresh juices would you choose?

- Mango
- Orange
- Apple
- Grapefruit
- Pineapple

Random screenshot

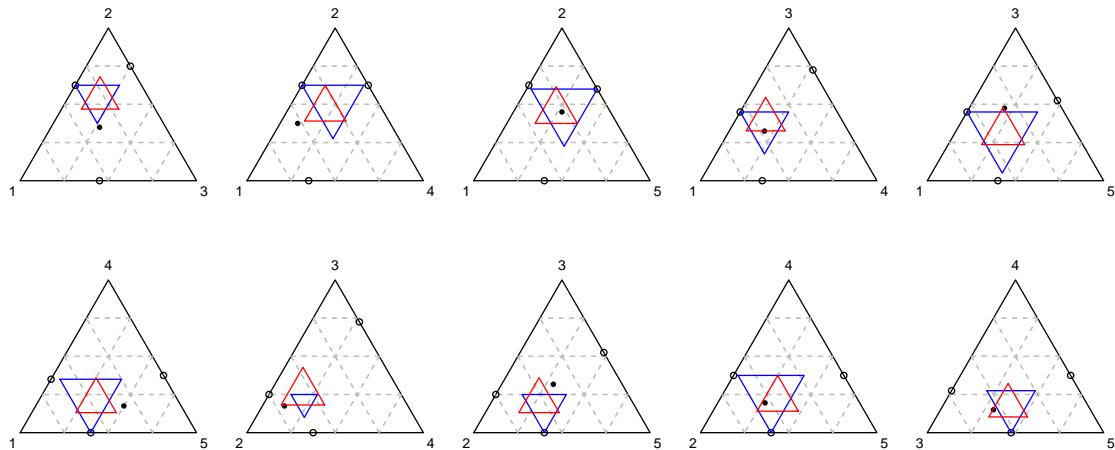
Juices

Which one of the following fresh juices would you choose?

Orange
 Grapefruit

>>

Observed binary and ternary choices



1.6 Colours

Which one of the following colours do you like best?

- Red
- Purple
- Pink
- Blue
- Green

Random screenshot

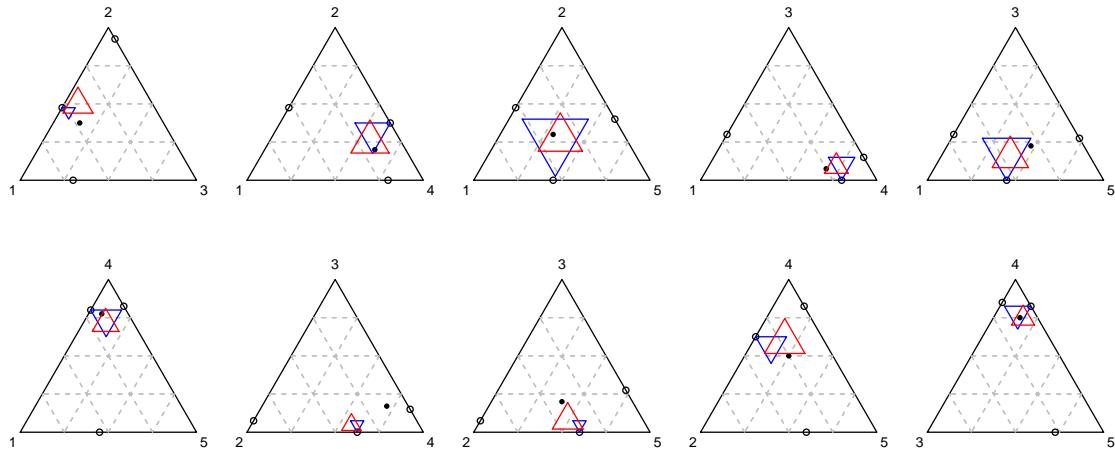
Colours

Which one of the following colours do you like best?

Green
 Pink

>>

Observed binary and ternary choices



1.7 Color pairs

The source for this domain is the website “The top tens”, page “Two colors that look good side by side.” The color combinations here are ranked 1, 4, 5, 13 and 14. We chose a selection of five high ranking combinations among which there were many colors in common. Using a similarity measure equal to the number of colours in common between two pairs, there are two doubleton choice sets where the two colour pairs have no colours in common ($\{a, e\}$ and $\{b, d\}$) and eight where the two colour pairs have one colour in common. This gives six tripletion pairs in which one might expect a similarity effect.

Which one of these colour combinations do you like best?

- Black and red
- Black and purple
- Black and blue
- Blue and red
- Blue and purple

Random screenshot

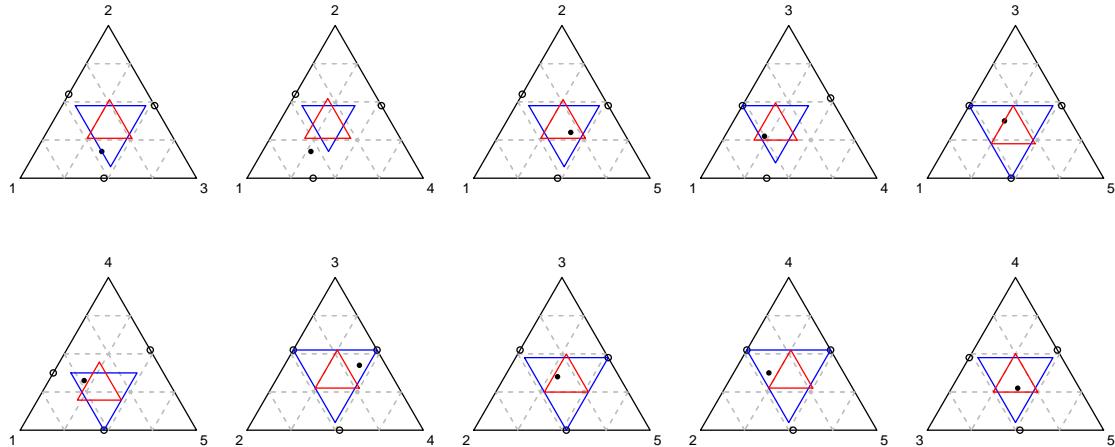
Colour combinations

Which one of these colour combinations do you like best?

Blue and purple
 Black and red
 Black and purple
 Blue and red
 Black and blue

>>

Observed binary and ternary choices



1.8 Events

This domain involves comparisons of the probabilities of future events. Logically, the probability of event e must be as least as great as the probability of a, which must in turn be as least as great as the probability of d; also, the probability of b must be as great as the probability of c.

Which one of the following events do you think is most likely to happen in the next twenty years?

- Scotland becomes an independent country.
- Either Catalonia or Quebec become independent countries.
- Catalonia becomes an independent country.
- Scotland and Quebec become independent countries.
- Either Scotland or Quebec become independent countries.

Random screenshot

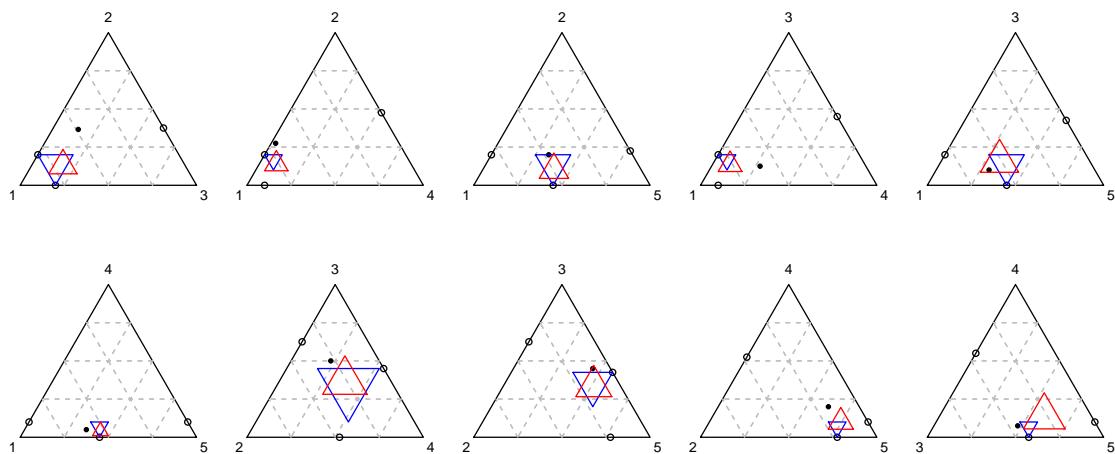
Events

Which one of the following events do you think is most likely to happen in the next twenty years?

Either Catalonia or Quebec become independent countries
 Either Scotland or Quebec become independent countries
 Catalonia becomes an independent country
 Scotland becomes an independent country

>>

Observed binary and ternary choices



1.9 Radio formats

The domain is radio formats, and the choice objects are the top 5 radio formats in Canada in 2015, according to

<https://byrnesmedia.com/2015/10/05/the-6-best-performing-radio-formats-in-canada/>

Descriptions of formats are from

<http://www.newsgeneration.com/broadcast-resources/guide-to-radio-station-formats/>

Suppose you were on a two hour road trip and you have a choice among radio stations with the following formats. Which one would you choose?

- News
- Hot Adult Contemporary, or Hot AC (A variety of classic and contemporary mainstream music geared towards adults.)
- Classic Hits (Rock and pop, roughly 1964-1989)
- Country Music
- Adult Contemporary, or AC (Adult-oriented pop/rock with no hard rock.)

Random screenshot

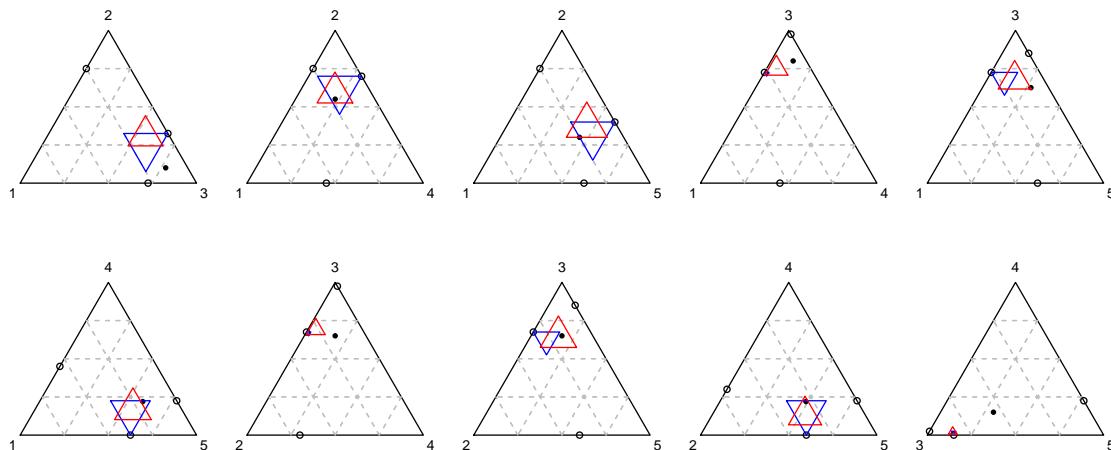
Radio formats

Suppose you were on a two hour road trip and you have a choice among radio stations with the following formats. Which one would you choose?

Adult Contemporary, or AC (Adult-oriented pop/rock with no hard rock.)
 Country Music

>>

Observed binary and ternary choices



1.10 Musical artists

The choice objects in this domain are the top selling musical artists of all time, according to Wikipedia. They should be familiar to a large majority of respondents.

Which one of the following musical artists do you like the best?

- The Beatles
- Elvis Presley
- Michael Jackson
- Madonna
- Elton John

Random screenshot

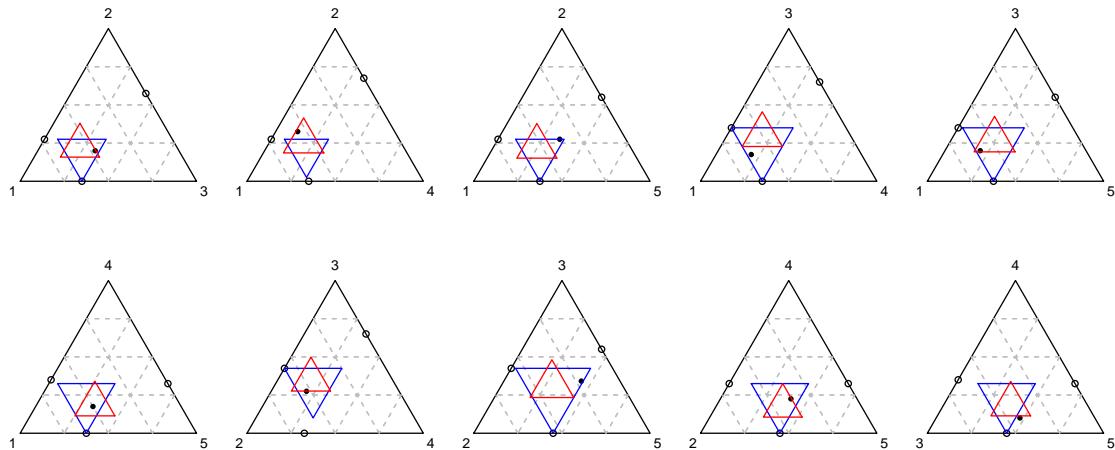
Musical artists

Which one of the following musical artists do you like best?

Michael Jackson
 The Beatles

>>

Observed binary and ternary choices



1.11 Aboriginal art

Which one of the following examples of Australian aboriginal art do you like the best?



Random screenshot

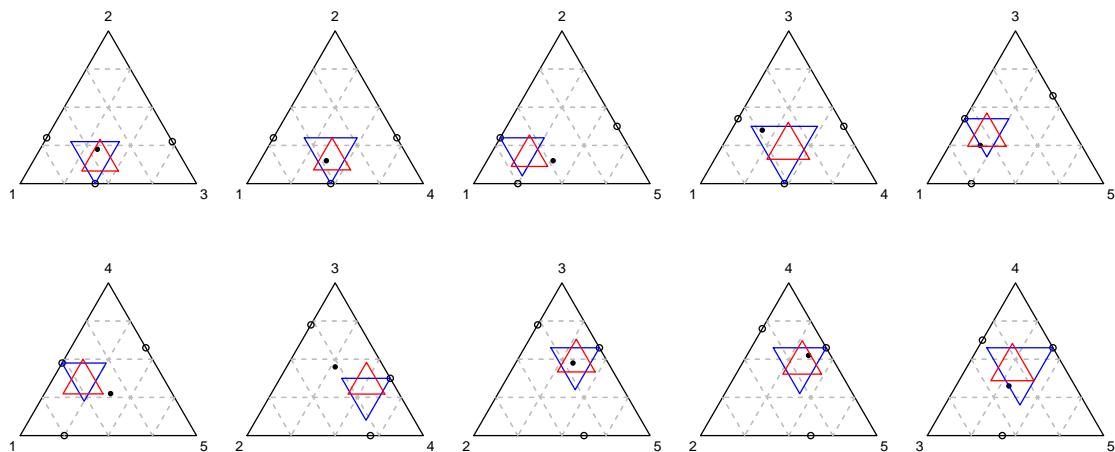
Aboriginal art

Which one of the following examples of Australian aboriginal art do you like best?



>>

Observed binary and ternary choices



1.12 Impressionist art

Which one of the following examples of Impressionist art do you like the best?



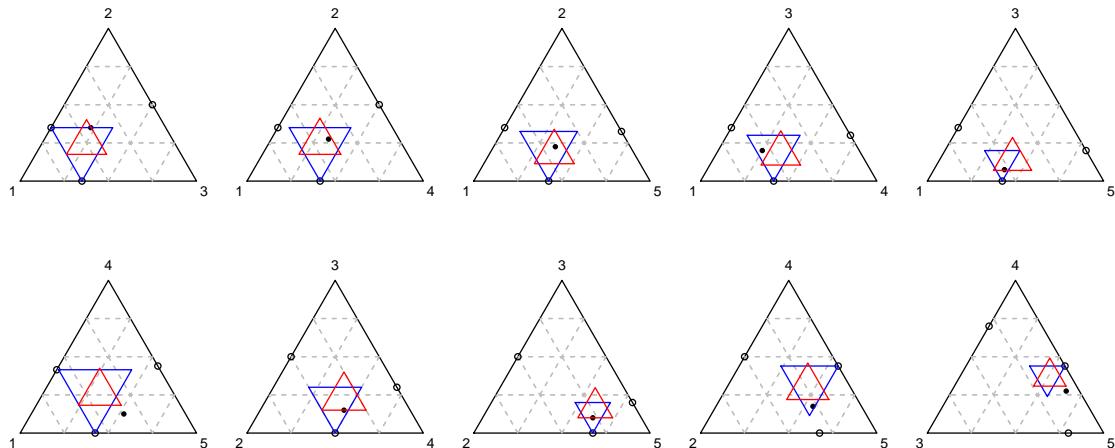
Random screenshot

Impressionist art

Which one of the following examples of Impressionist art do you like best?

>>

Observed binary and ternary choices



1.13 Sentences

This domain consists of sentences that have been used in experiments of linguistic judgement. They are, respectively sentences 7j, 7h, 7p, 7a and 7e in Bard, Robertson, and Sorace (1996). Figure 1 of that paper shows acceptability scores for these and other sentences given by two individual linguists, an acceptability score aggregating the scores of four linguists and an acceptability score aggregating the scores of four “naive respondents”, all undergraduate anatomy students. There is broad, but not perfect, agreement in terms of order, and in the following list, they are in decreasing order of acceptability according to the measure aggregating the judgements of four linguists.

Which one of the following sentences do you find the most grammatically acceptable?

- Who did Bill buy the car to please?
- This is a book which reading would be fun.
- Where did Bill buy the car to drive?
- Which man do you wonder when to meet?
- With which pen do you wonder what to write?

Random screenshot

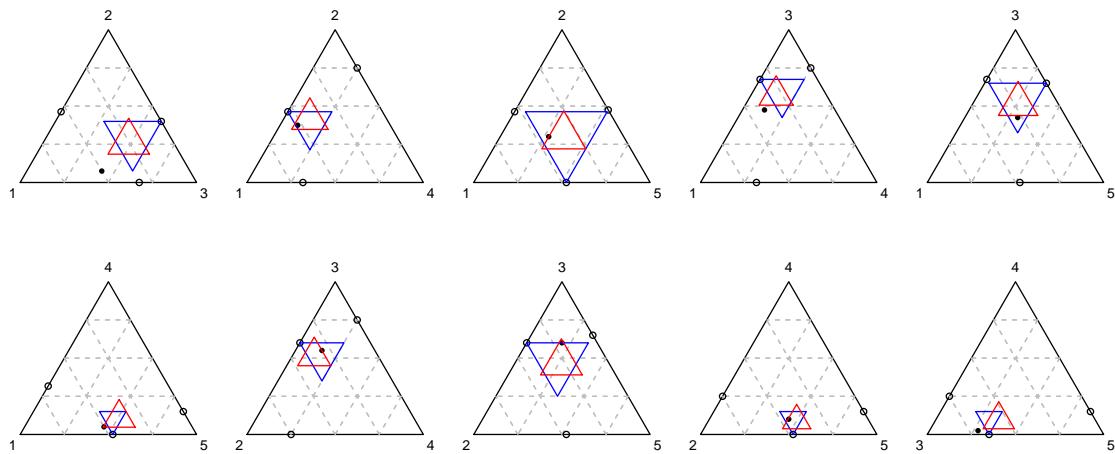
Sentences

Which one of the following sentences do you find most grammatically acceptable?

This is a book which reading would be fun.
 Which man do you wonder when to meet?
 With which pen do you wonder what to write?
 Who did Bill buy the car to please?

>>

Observed binary and ternary choices



1.14 Travel

The source is Tripadvisor. These are the top five travel destinations, according to the results of an on-line contest where visitors to a Tripadvisor site could make pairwise choices between travel destinations.

Which one of the following travel destinations would you most like to visit?



1. Marrakech, Morocco



2. Istanbul, Turkey



3. Hanoi, Vietnam



4. Siem Reap, Cambodia



5. Prague, Czech Republic

Random screenshot

Travel

Which one of the following travel destinations would you most like to visit?

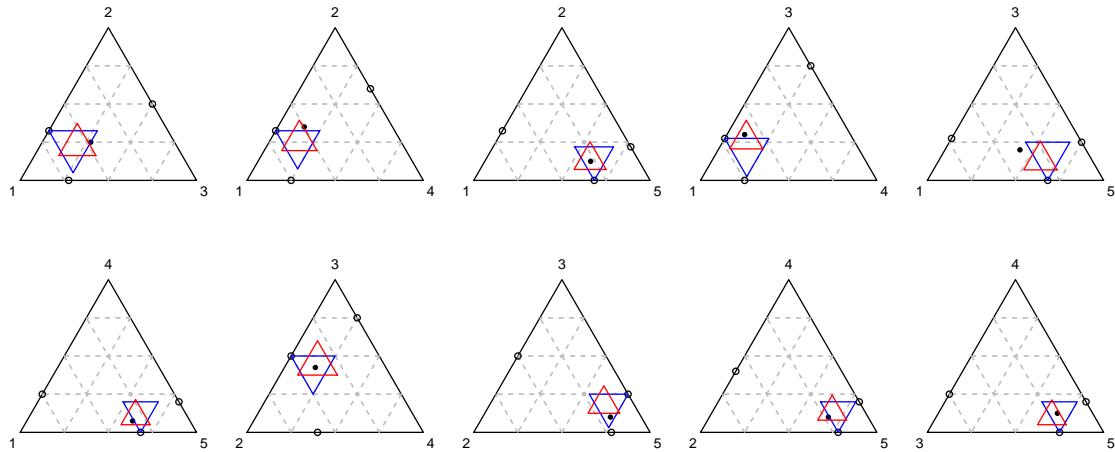


Istanbul, Turkey Marrakech, Morocco



>>

Observed binary and ternary choices



1.15 Marijuana

This question elicits policy preferences.

Which one of the following marijuana policies would you choose?

- Possession by, and sales to adults are both legal; sales to minors are illegal.
- Possession by, and sales to adults are both illegal but neither is a criminal offense; sales to minors are a criminal offense.
- Possession is illegal but not criminal; all sales are a criminal offense.
- Possession and sales are criminal offenses, with a small number of medical exceptions.
- Possession and sales are criminal offenses, without exception.

Random screenshot

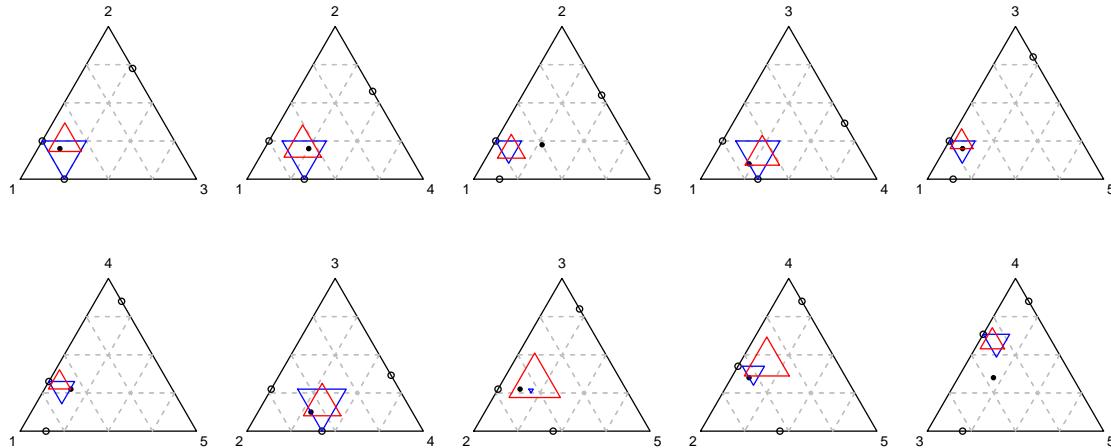
Marijuana

Which one of the following policies on marijuana would you consider the most acceptable?

Possession would be illegal but not criminal; all sales would be a criminal offense
 Possession by, and sales to, adults would be both legal; sales to minors would be a criminal offence
 Possession by, and sales to, adults would be both illegal but neither would be a criminal offense; sales to minors would be a criminal offence

>>

Observed binary and ternary choices



1.16 Latitude

The five cities of this domain have a latitude close to 50 degrees north. In the following list, they are ordered from furthest north to furthest south. According to Wikipedia, their latitudes are, respectively, $52^{\circ}14'N$, $51^{\circ}30'N$, $49^{\circ}15'N$, $48^{\circ}51'N$ and $47^{\circ}36'N$. There are two potential asymmetric dominance effects, with Vancouver being fairly obviously north of Seattle and London being fairly obviously north of Paris.

Which one of the following cities do you think is furthest north?

- Warsaw, Poland
- London, United Kingdom
- Vancouver, Canada
- Paris, France
- Seattle, United States

Random screenshot

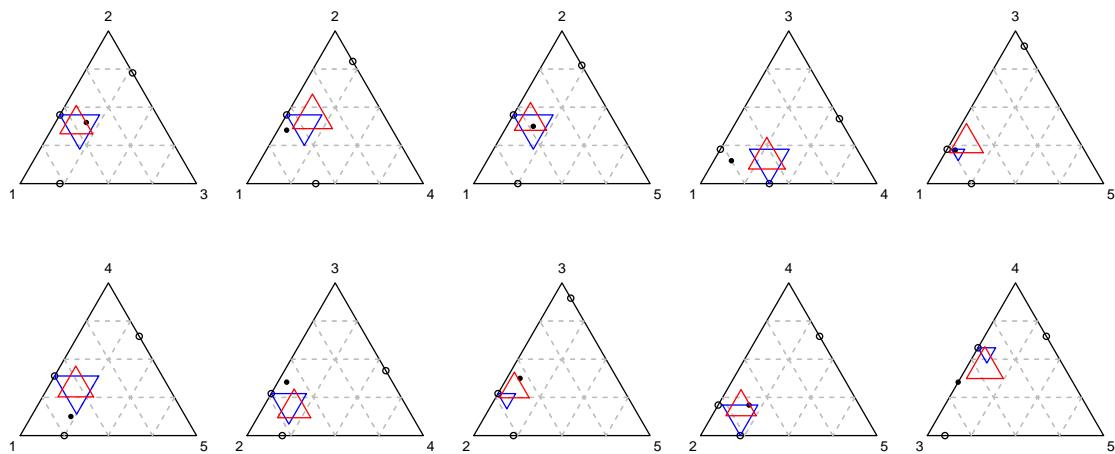
Latitude

Which one of the following cities do you think is furthest north?

Paris, France
 Seattle, United States

>>

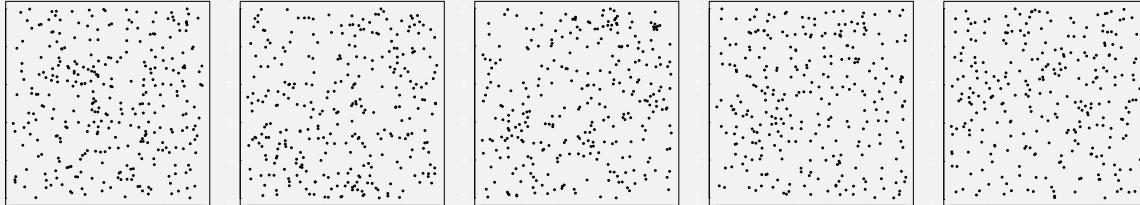
Observed binary and ternary choices



1.17 Scatterplots

This domain is a perception example. The true numbers of points are, respectively, 320, 310, 300, 290 and 280. It is much clearer that there are more points in the first panel than in the fifth, than that there are more points in the first than in the second. The difference in the number of points is an obvious similarity measure here that might be expected to lead to similarity effects.

Which one of the following boxes do you think has the greatest number of points?



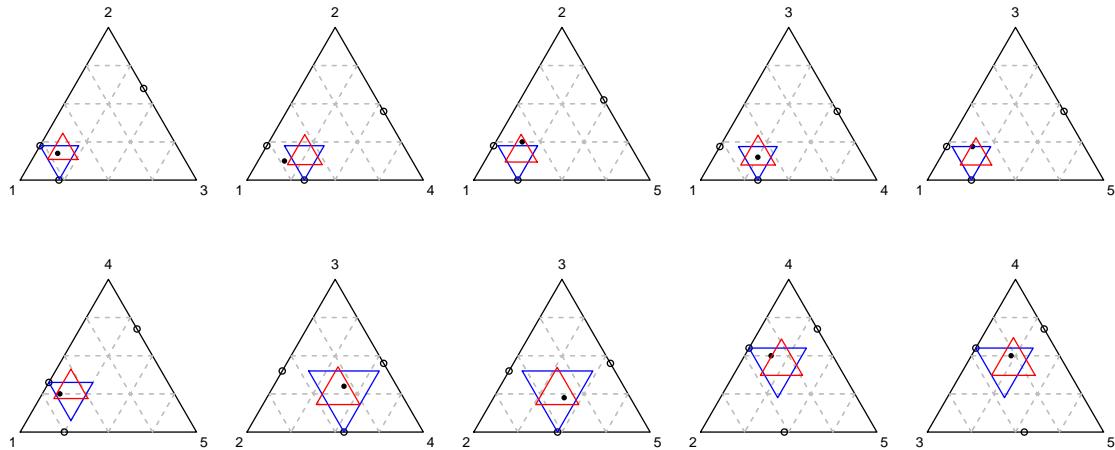
Random screenshot

Dots

Which one of the following boxes do you think has the greatest number of dots?

>>

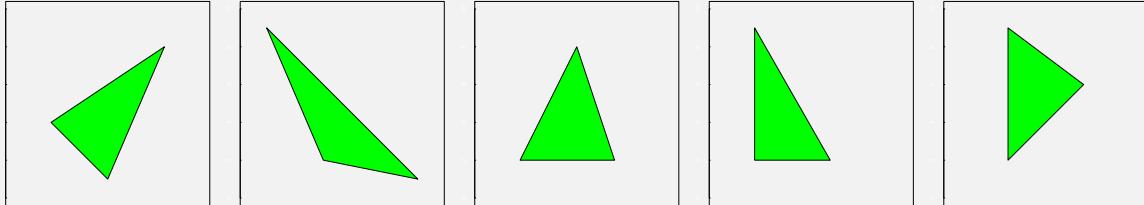
Observed binary and ternary choices



1.18 Triangles

This domain is another perception example. The true areas are, respectively, 16, 15, 15, 14 and 14 units.

Which one of the following triangles do you think has the greatest area?



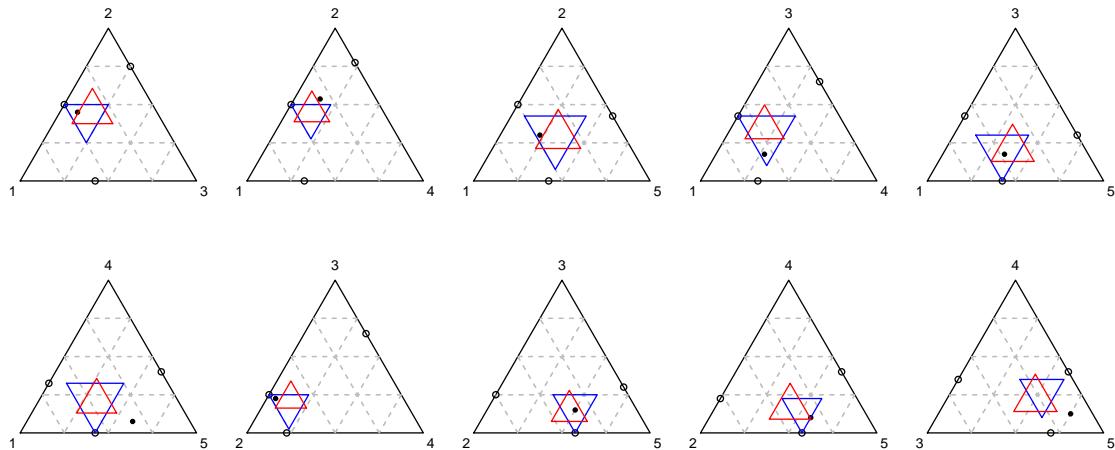
Random screenshot

Triangles

Which one of the following triangles do you think has the greatest area?

A screenshot of a web-based task titled "Triangles". It asks the user to identify which of three triangles has the greatest area. The first triangle is upright, the second is tilted upwards, and the third is tilted downwards. Below the triangles is a horizontal blue progress bar. At the bottom right is a blue button labeled "»".

Observed binary and ternary choices



1.19 Population

These countries were ranked, respectively, 4th through 8th in terms of population in 2016, when their populations, in millions, were 258, 206, 202, 186 and 156.

Which one of the following countries do you think has the largest population?

- Indonesia
- Brazil
- Pakistan
- Nigeria
- Bangladesh

Random screenshot

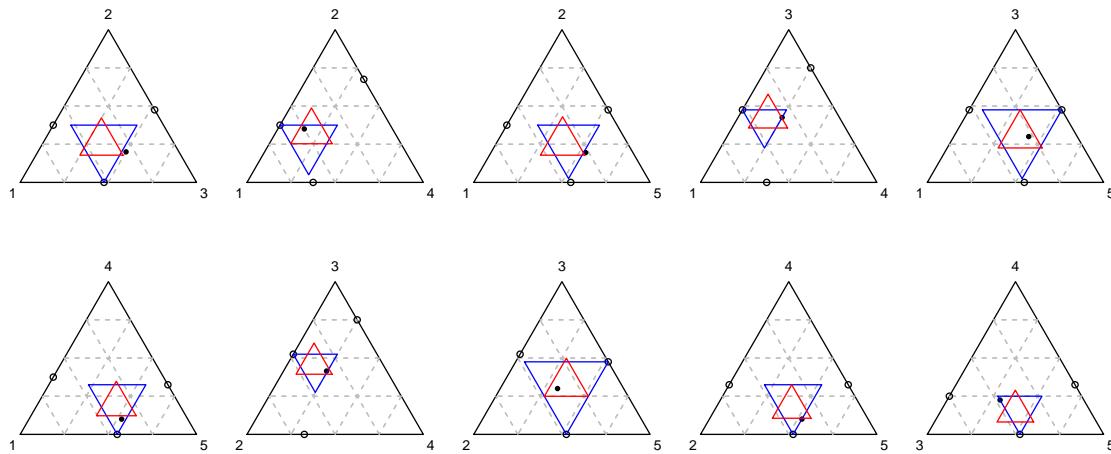
Population

Which one of the following countries do you think has the largest population?

Indonesia
 Pakistan
 Nigeria
 Brazil

>>

Observed binary and ternary choices



1.20 Surface area

These countries are ranked, respectively, 2nd through 6th in terms of surface area, including inland bodies of water. In millions of square kilometres, those surface areas are 9.984, 9.573, 9.525, 8.516 and 7.692.

Which one of the following countries do you think has the greatest surface area, including inland bodies of water?

- Canada
- United States of America
- China
- Brazil
- Australia

Random screenshot

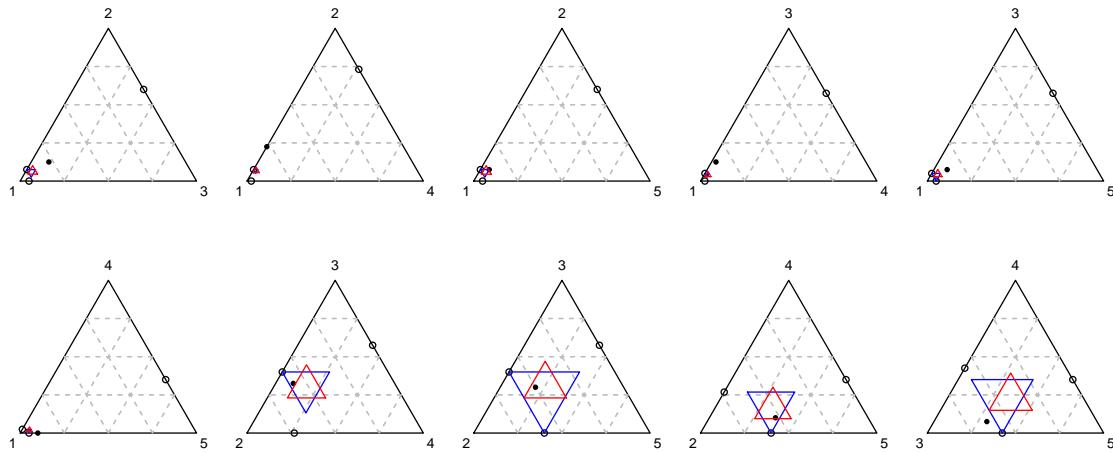
Surface area

Which one of the following countries do you think has the largest surface area, including inland bodies of water?

Brazil
 Canada
 Australia

>>

Observed binary and ternary choices



1.21 Beer

This domain is from an experiment reported in Huber, Payne, and Puto (1982) used to illustrate an asymmetric dominance effect. The prices are multiplied by 5 and we added choice objects d and e to allow for two more asymmetric dominance effects and two similarity effects. The first panel of Figure ?? show the choice objects in attribute space. Table ?? shows the relations of dominance, similarity and betweenness among objects associated with context effects. The most commonly used domains to illustrate the attraction effect involve Beer, Cars, Apartments, Computers, Restaurants and Televisions.

Below you will find three brands of beer. You know only the price per sixpack and the average quality ratings made by respondents in a blind taste test. Given that you had to choose one brand to buy on this information alone, which one would you choose?

Price/sixpack	Average quality rating (100 = Best; 0 = Worst)
\$9.00	50
\$13.00	70
\$15.00	70
\$14.00	75
\$15.00	80

Random screenshot

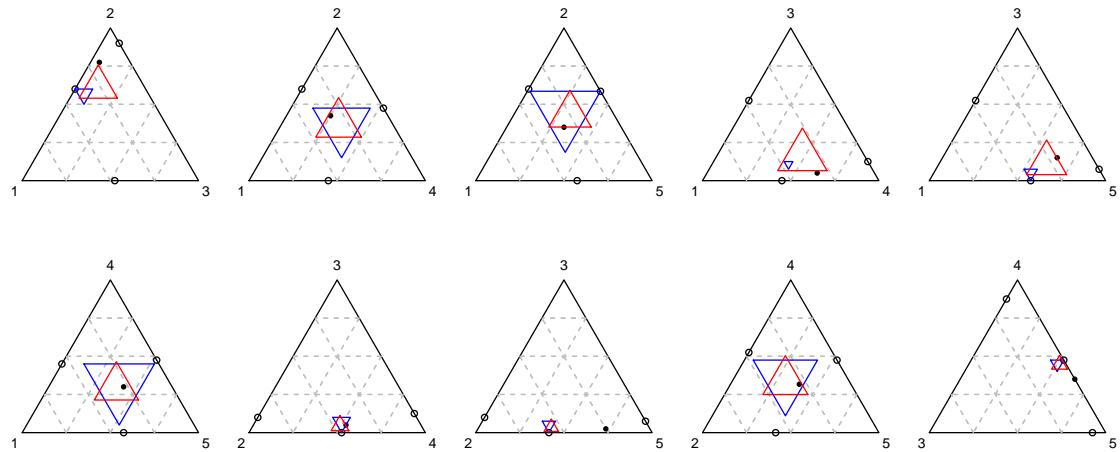
Beer

Below you will find three brands of beer. You know only the price per sixpack and the average quality ratings made by subjects in a blind taste test. Given that you had to choose one brand to buy on this information alone, which one would you choose?

Price/Sixpack	Average quality rating (100=Best; 0=Worst)
<input type="radio"/>	\$9.00 50
<input type="radio"/>	\$15.00 80
<input type="radio"/>	\$14.00 75
<input type="radio"/>	\$15.00 70

>>

Observed binary and ternary choices



1.22 Cars

This domain is based on an experiment from Wedell and Pettibone (1996). There are two experiments involving cars in that article, the experiment in question is numbered 18 in the appendix to that paper. Objects below have the same attributes as in that experiment and a similar range of levels. We adapted the objects to allow for compromise effects. The second panel of Figure ?? shows the choice objects in attribute space. Table ?? shows the relations of dominance, similarity and betweenness among objects associated with context effects.

Which one of the following cars would you choose to drive, all other features begin equal?
Ride quality is a on a scale of 0 to 100.

Ride quality	Miles per gallon
60	30
80	24
70	27
55	28
75	22

Random screenshot

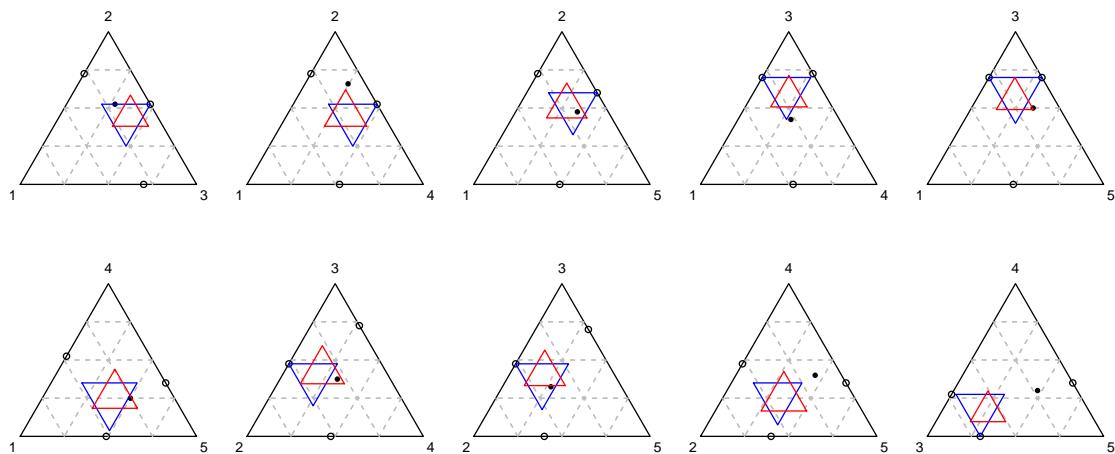
Cars

Which one of the following similarly priced cars would you choose to drive, based on the percentage of owners who indicated that they "would buy again," and the fuel economy rating?

Percentage responding "would buy again"	Fuel economy rating (a lower rating means more fuel efficient) in litres per 100km
75.0	9.5
65.0	7.5
72.5	10.0

>>

Observed binary and ternary choices



1.23 Restaurants

This domain is based on another experiment in Wedell and Pettibone (1996), numbered 19 in the appendix to that paper. The third panel of Figure ?? shows the choice objects in attribute space. Table ?? shows the relations of dominance, similarity and betweenness among objects associated with context effects.

Which one of the following restaurants would you choose for your next restaurant meal, based on transportation time (in minutes) and average customer ratings (from 1 to 5).

Transportation time	Rating
34	4.4
22	4.0
19	3.9
7	3.5
22	3.9

Random screenshot

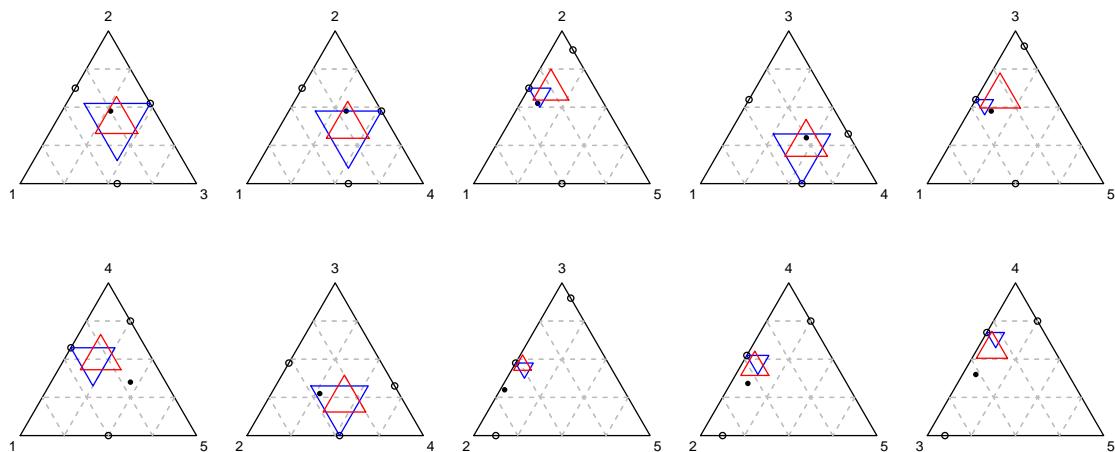
Restaurants

Which one of the following restaurants would you choose for your next restaurant meal, based on transportation time and average customer ratings (from 1 to 5).

Transportation time	Rating
22 minutes	3.9
34 minutes	4.4

>>

Observed binary and ternary choices



1.24 Layovers

The fourth panel of Figure ?? shows the choice objects in attribute space. Table ?? shows the relations of dominance, similarity and betweenness among objects associated with context effects.

Which one of the following flight itineraries would you choose? All involve two flights, with one layover between them.

Total inflight time	Layover time	Total itinerary time
4:00	1:00	5:00
3:24	1:48	5:12
3:15	2:00	5:15
3:06	2:12	5:18
2:30	3:00	5:30

Random screenshot

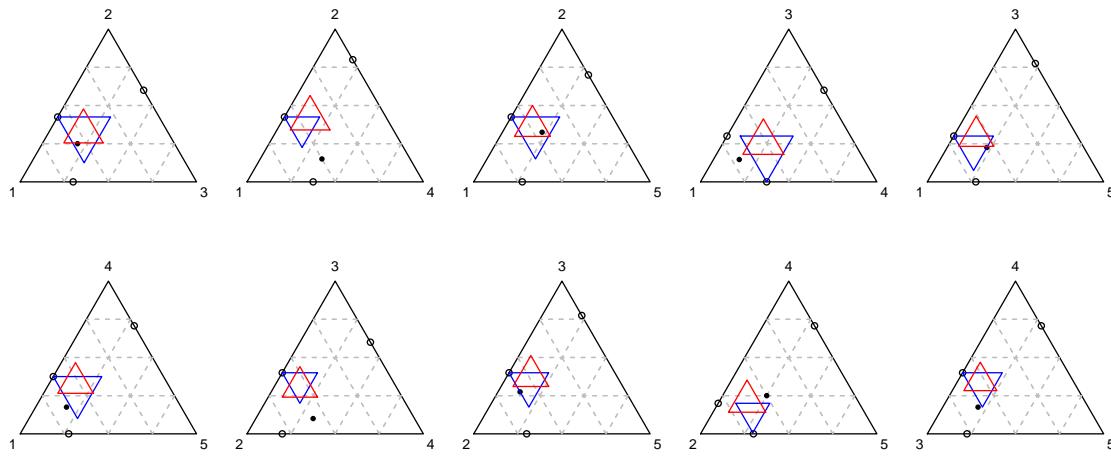
Flight Layovers

Which one of the following flight itineraries would you choose? All involve two flights, with one layover between them.

Total inflight time	Layover time	Total itinerary time
3:06	2:12	5:18
4:00	1:00	5:00

>>

Observed binary and ternary choices



1.25 Delayed Choice

This domain is loosely based on an experiment by Benzion, Rapoport, and Yagil (1989), in which respondents are asked to assign present values equivalent to the receipt of \$200 at time horizons of 0.5, 1, 2 and 4 years. Based on implied discount factors at various terms, we constructed five choice objects designed to have approximately the same present value equivalent.

Which one of the following would you choose?

- \$200 credited to your bank account immediately.
- \$245 credited to your bank account in six months.
- \$255 credited to your bank account in one year.
- \$315 credited to your bank account in two years.
- \$465 credited to your bank account in four years.

Random screenshot

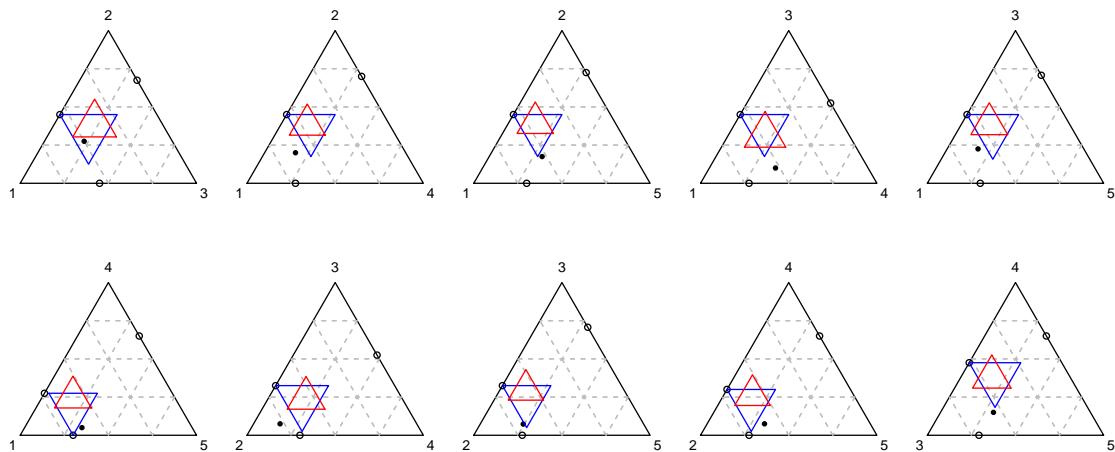
Future Payments

Which one of the following would you choose?

\$200 credited to your bank account immediately
 \$255 credited to your bank account in one year
 \$245 credited to your bank account in six months
 \$465 credited to your bank account in four years

>>

Observed binary and ternary choices



1.26 Phone plans

The source for this domain is the website of Fido Mobile, with rates quoted on March 1, 2017 in Canadian dollars.

Of the following cell phone plans, which one would you choose? In all cases, unlimited calling, text picture and video messages to Canadian and international mobile numbers are included. Excess data usage is billed at \$10 per 500 MB.

- 1 GB data per month, \$35 per month.
- 2 GB data per month, \$45 per month.
- 4 GB data per month, \$49 per month.
- 6 GB data per month, \$54 per month.
- 8 GB data per month, \$58 per month.

Random screenshot

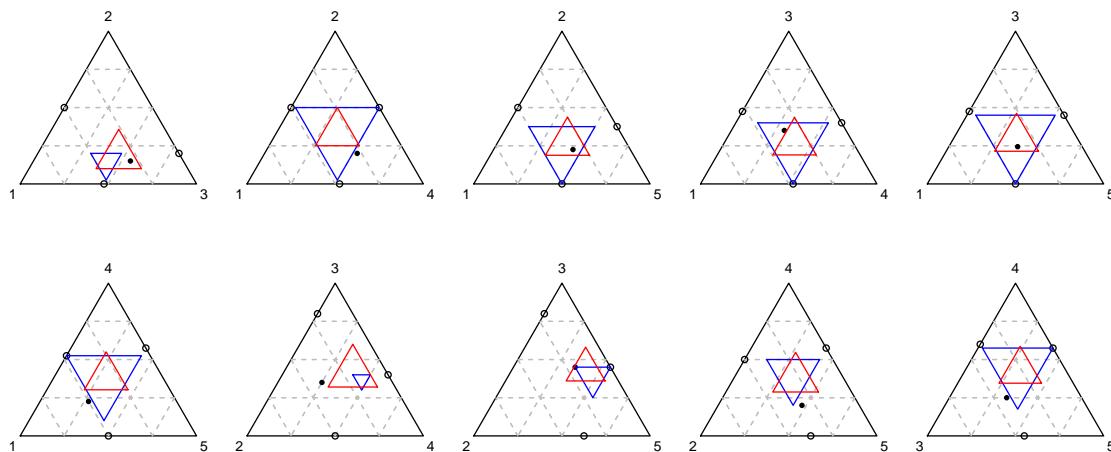
Phone plans

Of the following cell phone plans, which one would you choose? In all cases, unlimited calling, text picture and video messages to Canadian and international mobile numbers are included. Excess data usage is billed at \$10 per 500 MB.

4 GB data per month, \$49 per month
 1GB data per month, \$35 per month
 6GB data per month, \$54 per month

>>

Observed binary and ternary choices



1.27 Hotel rooms

Using Expedia results, I did a linear regression of price per night on a constant and the Expedia rating, in numbers of stars, for a sample of available hotels. The five levels of numbers of stars correspond roughly to the mean, plus and minus one sample standard deviation and plus and minus two standard deviations. Prices are approximately equal to fitted values in the linear regression.

Suppose you are staying over two nights in New York city. Which one of the following hotels would you choose, based on customer ratings and price per night?

- 3.6/5 stars, \$215 per night
- 3.9/5 stars, \$263 per night
- 4.2/5 stars, \$311 per night
- 4.5/5 stars, \$358 per night
- 4.8/5 stars, \$406 per night

Random screenshot

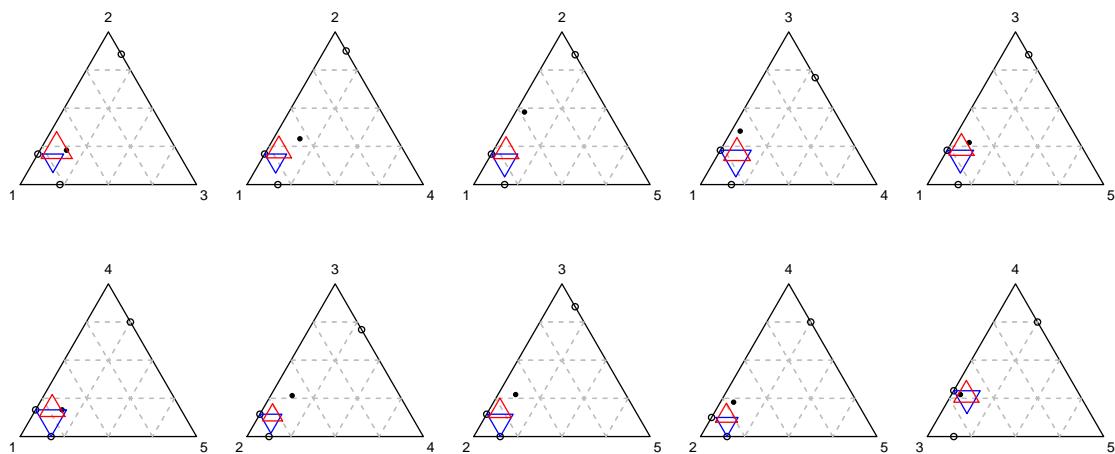
Hotel rooms

Suppose you are staying two nights in New York city. Which one of the following hotels would you choose, based on customer ratings and price per night?

4.2/5 stars, \$311 per night
 3.9/5 stars, \$263 per night

>>

Observed binary and ternary choices



1.28 Objects with multiple attributes

1.28.1 Flight itineraries

This domain illustrates three-way tradeoffs. The points form a constellation in the simplex that resembles the pattern of points on the “five” side of a die.

Which one of the following flight itineraries would you choose? All involve two flights and have a total duration of six hours.

1st flight	Layover	2nd flight
1:30	1:15	3:15
3:15	1:15	1:30
2:15	1:30	2:15
1:30	1:45	2:45
2:45	1:45	1:30

Random screenshot

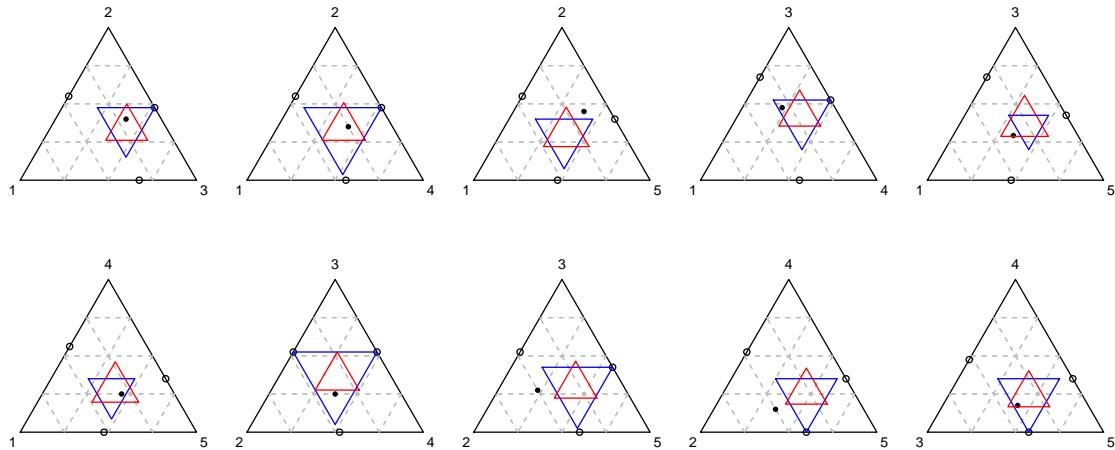
Two-Flight Itineraries

Which one of the following flight itineraries would you choose? All involve two flights and have a total duration of six hours.

1st flight	Layover	2nd flight
2:15	1:30	2:15
1:30	1:15	3:15
1:30	1:45	2:45
2:45	1:45	1:30

>>

Observed binary and ternary choices



1.29 Televisions

The source for this domain is the website of Best Buy Canada, with prices in Canadian dollars.

Which one of the following televisions would you choose to buy if you were in the market for a television? All are LED televisions. Resolution refers to number of horizontal lines. Smart indicates internet connectivity.

Brand	Resolution	Smart	Price (\$)	Screen Size (inches)
Sharp	1080	Yes	309	32
Insignia	720	No	209	32
Sony	720	Yes	439	32
Samsung	1080	Yes	459	40
Toshiba	1080	No	409	43

Random screenshot

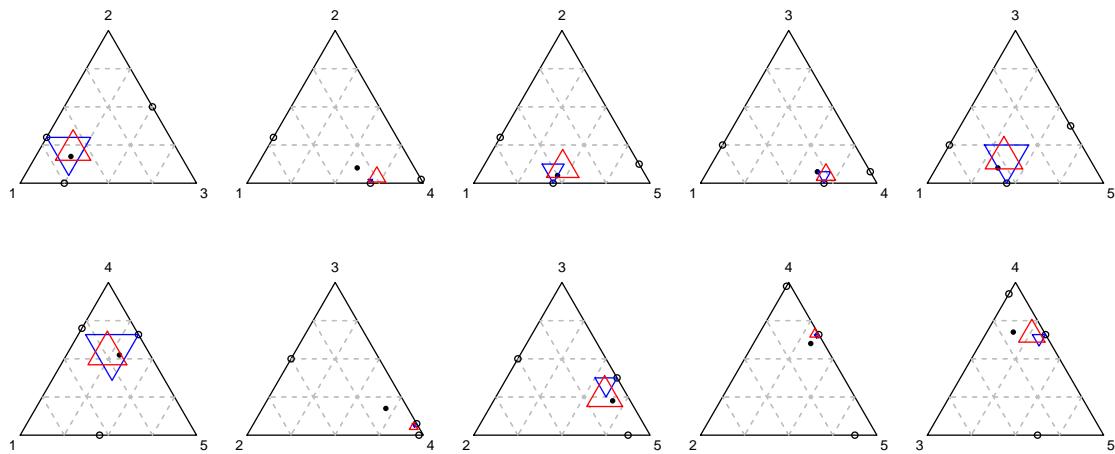
Televisions

Which one of the following televisions would you choose to buy if you were in the market for a television? All are LED televisions. Resolution refers to the number of horizontal lines. Smart indicates internet connectivity.

Brand	Resolution	Smart	Price (\$)	Screen Size (inches)
Toshiba	1080	No	409	43
Insignia	720	No	209	32
Samsung	1080	Yes	459	40
Sharp	1080	Yes	309	32

>>

Observed binary and ternary choices



1.30 Coffee

The source for this domain is the website buycoffeeecanada.com, with prices in Canadian dollars.

You need to buy 16oz of ground coffee for a brunch with friends. Which one of the following ground coffees would you choose?

Price	Fair Trade	Name: Description
18.71	Yes	Ethiopian Yirgacheffe: vibrant and intensely aromatic, fruity
9.99	No	Colombian Supremo: mellow cup, complex aromas and rich flavours
13.72	Yes	Colombian Organic: medium body, fragrant aroma and mild acidity
12.35	No	Tanzania Peaberry: full bodied coffee, chocolatey aroma, wine-like finish
13.46	No	Sumatra Mandheling: exotic, earthy, bright with low acidity

Random screenshot

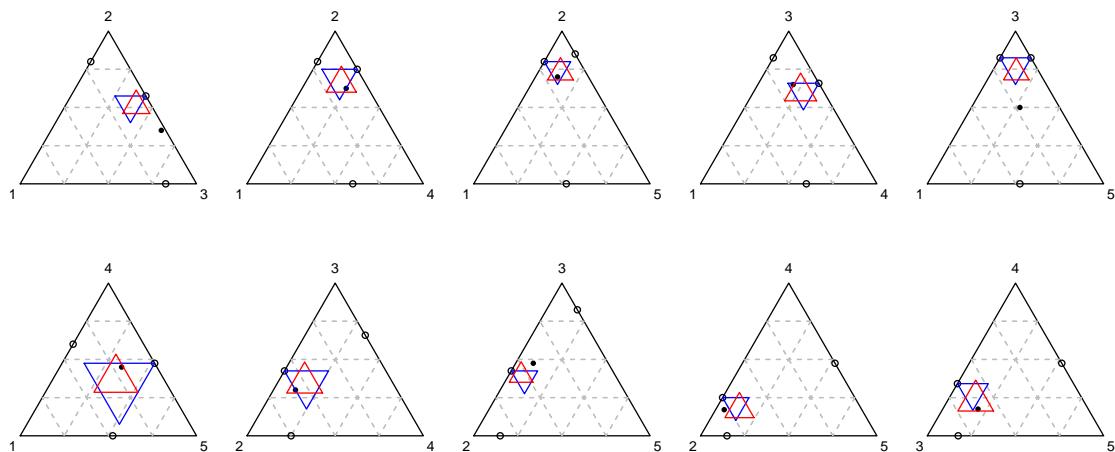
Coffee

You need to buy 16oz of ground coffee for a brunch with friends. Which one of the following ground coffees would you choose?

Price (\$)	Fair Trade	Name: Description
<input type="radio"/>	Yes	Ethiopian Yirgacheffe: vibrant and intensely aromatic, fruity
<input type="radio"/>	No	Colombian Supremo: mellow cup, complex aromas and rich flavours
<input type="radio"/>	Yes	Colombian Organic: medium body, fragrant aroma and mild acidity
<input type="radio"/>	No	Sumatra Mandheling: exotic, earthy, bright with low acidity

>>

Observed binary and ternary choices



1.31 Charity

The charities in this domain are real charities. The first two are relatively innocuous in the sense that most people support the goals of both. However, the Canadian Cancer Society attracts much more financial support than Arthritis Research Canada and we might expect that most people would prefer a marginal dollar going to the former. The two other charities have goals that are nearly opposite and elicit strong emotions (of different kinds) from some.

Suppose someone was donating a total of 100 dollars to a combination of charities, on your behalf. Which one of the following divisions of the 100 dollars would you choose?

Arthritis Research Canada	Canadian Cancer Society	Canadian Coalition for Firearm Rights	Coalition for Gun Control
90	10	0	0
35	60	5	0
35	60	0	5
10	80	10	0
10	80	0	10

Random screenshot

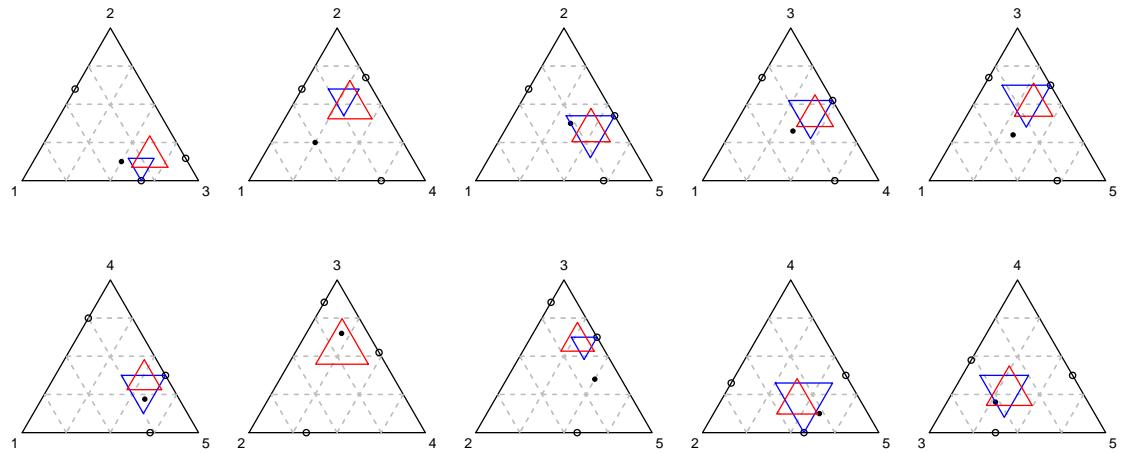
Charity

Suppose someone was donating a total of 100 dollars to a combination of charities, on your behalf. Which one of the following divisions of the 100 dollars would you choose?

Arthritis Research Canada	Canadian Cancer Society	Canadian Coalition for Firearm Rights	Coalition for Gun Control
<input type="radio"/> 35	60	0	5
<input type="radio"/> 90	10	0	0
<input type="radio"/> 10	80	10	0
<input type="radio"/> 10	80	0	10

>>

Observed binary and ternary choices



2 Participant comments

The following is a complete list of comments given by participants at the end of the experiment in response to a prompt asking if the participant had

Interesting survey.
no thanks
fun survey, very different
The question about beer lists only 2 options, not 3 as stated in the question.
I like it and enjoy Thank you
great survey
None at this moment, thank you.
very interesting
thank you
Such a random selection of questions!
Thank you for this enjoyable, and different, survey experience.
very different survey....
Interesting survey I wonder what you'll find out?
really enjoyed
fun
none
None
NO
Loved the survey. Would like to know what is the purpose and whether it is conclusive or not for the r
none
no comment
It was certainly an interesting array of questions.
some of the choices were difficult as I don't fly often
Very interesting
it was the most interesting survey I ever did
KYRTDI
Totally enjoyed this survey!
This was a fun survey, it had a lot of different questions and I found it fun to complete.
I hope the choices I made don't make me potentially unstable ?
perfect length
none
0
it was fun and very interesting, enjoyed it
It was a great survey. Thank you.
this was great
Quite interesting!
different, yet fun survey
Have a nice day...
interesting
like the decision choices
N/A
Intelligent questions
i wonder what this is about?
Fun
I would be interested in knowing the correct answers.
That was both fun and odd.
interesting questions of survey, what purpose of this survey for?:) like a EQ test!
That was fun!
interesting...I wish there were some feedback on what this all meant

I would be interested to know how you are assessing the answers I have given.
cool
very interesting to do Thank-You
THAT WAS FUN, THANKS
none
The question about household pets did not allow me to choose Cats and Other. I could only choose Cats w
:
it was very interesting
Strange questions!
eclectic. what is the point?
Very interesting
I found this survey weird but very interesting. Very different from most survey. I would more like thi
none
very interesting!
Most interesting - as mathematics is not my thing.
best survey yet
Some sort of psychological test?
It was fun and very interesting. It was also easy to read and understand
I do not understand the purpose of the weird questions but then that is part of the survey
hi
wrfwet
this was quite interesting survey and I enjoyed doing it
Survey was nice & short...just how I like it!
very interesting survey! i hope there's more like this
Probably the most random survey I ever took, but interesting too.
none
none
thanks guys
cool
this was fun to do, thank you!
Very interesting survey.
very strange survey
no comments
n/a
I thought the survey went smoothly it was easy to understand, answers were clear, and questions weren't
intriguing but could not figure out what the point was.
excellent
It was very interesting.
this was very interesting survey - the best ever
This was fun and very interesting
yanks
Very interesting and challenging
great survey, not repetitive thanks
No additional feedback.
Very interesting survey!
none
good survey
inteeesting survey
difficult choices
super sondage
I found this quite interesting thanks
good
none
Well constructed and structured. Use of pictures gave a very nice touch. Although it was very random so

This was fun. Loved the random questions.
no
None. Thanks
it was fun!
very nice
thanks for an interesting survey
No comment
thankyou, that was interesting.
I found this survey to be very interesting.
more points.....
none
Great layout and enjoyable
na
I really liked this survey, you need to choose your best answer.
choices
no
Very well done and interesting survey. Thank you !!
challenging
weird!
Thank you
this was very interesting
interesting
no thanks
The questions were quite random.
it was fun
I enjoyed the questionnaire!
interesting survey
This was really interesting and fun to complete! I am curious of the purpose of this study.
Cool
The question regarding marijuana was especially difficult to decide, I was torn between a couple options
great questions
This survey was actually entertaining because the questions were very random. It definitely kept me on my toes.
I thought it was fun to complete. Questions on a lot of different subjects. Very interesting.
very interesting survey, I enjoyed it
this was an interesting survey and easy to understand and answer
What was the point?
None.
Not sure what this was about
Its ok
STRANGE SURVEY, HARD TO GET THE POINT.
This was fun. Kind of wondering how I did
thanks
it was fun
all good
some what interesting
It was very interesting thank you
very different and interesting.I really enjoyed this and it held my attention.thank you
I liked it very much;)
A very interesting and definitely different type of survey. Would have been nice, where appropriate, to have
Interesting questions
loved it :)
Interesting content and no technical glitches - how refreshing
don't have any
Thank you, this was the neatest survey I've taken in a long time. I wasn't sure what the survey company

Great survey, much thought on personal preferences was fun. I hope this survey gives you interesting answers.
An interesting set of questions.

thx

Very insightful and surprising, but enjoyable.

One of the most interesting surveys I've ever taken. Interesting and fun to complete.

THANKS

.Great survey

Interesting... not sure what this was about

Interesting questions. Would love to know the results of this one??

not sure

good questions

Wild array of questions.

thank you

What the heck was that? I do a lot of surveys and they at least have a discernible theme - this was a s

Belinda Stronach Tuesday 42

That was the oddest survey I have ever taken.

This was a very interesting survey. I would definitely do this again.

Great survey!

Although I was not sure what this survey is about, I read each question carefully and chose the best answer.
thank you!

Enjoyed the survey.

none

good survey

none

good

thanks interesting

nicely designed questions, but it would be better to provide more options per each selection.

None

cool

none

Nice survey

It was very good! I have not done a survey like this one before.

interesting / very different

Very interesting survey. I enjoyed it.

no others comments.

marijuana like all drugs should remain illegal

it was a great one

thanks

no thanks

different and interesting

Very interesting survey! Loved it.

no comment except the questions asked were very unique

good survey

No comment

This was the weirdest survey that I have ever completed But, sort of fun as well

thanks for the opportunity

hi

Ce sondage tait tres interessant parce que m'a plong dans ce que il y a de personnel. Il m'a orient dans mon

THIS WAS A VERY DIFFERENT AND VERY INTERESTING SURVEY

Should have hit the books first! Interesting questions. Good luck with your research.

none

Too long

Good one,, thank you!

what.

none

VERY UNIQUE SURVEY

This was a very interesting survey, and it was really fun to complete, but none of the questions really
This was a very interesting survey , extremely fun and entertaining
there were questions that I did not like any of the options, but was made to pick one so I could move on
none

This was a VERY COOL survey...very different & lots of fun !

thanks

I have been doing surveys for many years, first time I do one like this, strange a bit the questions b
ENJOYED DOING THE SURVEY

I really liked this survey because I wasn't answering basically the same question over and over
very enjoyable and thank you

I presume the purpose was to see different ways in which people make choices. It was interesting
no other feedback

cool

Thanks.

I like the "which art's do you like better" questions best.

fun survey, great time

Certainly covered a wide range of topics. Would be interested to know how the results are used and for w
Great survey! Interesting.

??

That was highly enjoyable and utterly fascinating.

no comments

none

Very interesting survey. Not too long and different and enjoyable.

This survey made no sense at all.

none

fun and easy.

i like this survey send me more thanks you

This was very interesting and different. I would like to know what the correct answers are for some o
none

<NA>

fun!

Most interesting survey i have ever completed

good

good survey

interesting questions

hope this survey pays

no

This was a very different survey from the ones I have participated in the past. I would love to know wh
that was the strangest survey I've ever completed

This was interesting, I wish I could see if I was correct for the fact/logic questions!

no comment

Certainly different. It would have been easy enough to do research on various aspects of the survey; bu
Interesting survey and enjoyed doing it

Choice of actors: I don't know most of them at all. You create a situation of a forced choice.

Thanks. What iq do I have?

no comments

merci

very very interesting

I enjoyed doing this survey. Thank You.

what the f is this

none

n/a

none

None

cool survey

what is the purpose of these questions?

interesting!

thank you

INTERESTING SURVEY..ENJOYED

Great survey

It was interesting

none

good

Different survey

I really enjoyed being apart of this survey.

what was this study about

None.

this was fun. I wonder what it tells you about me?

very interesting

na

Interesting questions, I wonder what the actual research is about

Very interesting and unique survey, thought provoking!!

none

What's up with the random questions?

no

not sur

I liked the variety of questions!

questions were very different!

It was really very interesting survey.

Not boring to take, kept it interesring to answer.

wow, that was a strange bunch of questions. Very interesting. Merci.

fun to use

Interesting

It might be useful for you to update your movie stars names for the question of who you want to have lun

I don't understand the point of this survey

Having done 100s of surveys over the last two years, this was by far the most bizarre. The randomness o

super

weird survey

Fun survey!!!

don't have any

none

was interesting

n/a

it was not as long as a thought

interesting. would like to know the results

oui

This was one weird survey

interesting topics that really make you think

the questionnaire was concise and clear. I like that .

km nb,mkjn

none

great survey

Thank you.

neat study, very different!

I think that the triangles were all the same area sizes and the dots had almost the same amounts.

fun

This survey was really interesting and fun to answer.
Very interesting survey touched on many topics
none
That was something.
A very unique survey.
You're welcome!
it is grate
interesting, never did a survey like this before
thank you.
none
you should have had an NA some of those people I have never heard of an would not travel to any of
nothing to add
very interesting and different
Interesting format..exceptional detail..
none
cool survey
It was very different from other surveys and quite interesting
This was the most fun survey I have ever taken.
The survey is very interesting and gives a good knowledge about oneself.
It is a bizzar and funny one.
good survey
n/a
Interesting topics were touched upon.
yes sure
no comments but i would definitely participate again , thank you
Interesting questions
It was fun to complete.
nothing
It was very clear and easy.
nothing
the survey was good and I have nothing to say...
Interesting and fun survey
I wonder what this survey is for?
It was fun and easy and fast to answer
odd
Strange survey but fun
no comments
great survey
thanks
No additional feedback, this was fun.
Nice and fast, with a variety of topics.
very fun survey, I enjoyed answering all the questions which were very varied
Great survey! Love the concept and choices. It's fun to complete this kind of survey :)
Interactive
A curious survey and quite entertaining.
try
I find this survey very interesting.
its perfect
nice
Random, but enjoyable.
they are the best

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