Dialectical Bootstrapping Study 1 Questionnaire

Start of Block: Info/ Consent

How well do you know British society? With a chance to win a £50 Amazon voucher! What is this project about? This project looks at how common certain events are in society and how this is related to people’s mindsets and personalities. What does taking part involve, and how long will it take? You will be asked to estimate how common certain events are in society (e.g., What percentage of UK households own a dog?). We will also ask some questions about your personality, attitudes and beliefs, and what you think of various objects or other people. The questionnaire should be completed alone and take no more than 30 minutes to fill in. Are there any risks associated with taking part in this study? Some questions in this study may ask about your attitudes regarding controversial subjects (e.g.,vaccinations). For any questions you are unsure about, please provide your best guess. If you feel uncomfortable, you can also withdraw from the study up to the point of completing the first survey by closing your browser. How will the information I provide be used? Information provided will be kept anonymous and no identifying information will be asked of you. If you feel that any information will make you identifiable you may choose not to answer the question. Results will only be accessible to the researchers and every participant will remain anonymous. This means that if you complete the survey and ask us to withdraw your data after survey completion, we will no longer be able to locate and delete your data. What will happen to the results of the research? Completed data will be kept on a password-protected and encrypted computer. The researchers will analyse the responses and write a research report based on aggregated trends found in the data. Anonymized data may be used by other researchers, under the same terms as stated above. **How will I be compensated for participation?** As well as the standard payment via Prolific (£2.50), there will be a chance to **win a number of £50 Amazon vouchers** (sent via Prolific message). During the study, you will be asked to make some estimates about certain common events in society. **The more accurate that your estimates are, the greater the chance that you will receive an Amazon voucher**.  If anything is unclear or if you require more information, please contact the researchers (sjt80@bath.ac.uk) or supervisor using the email provided (M.A.Goclowska@bath.ac.uk).This research has been approved by the University of Bath Psychology Ethics Committee. For further information, please contact psychology- ethics@bath.ac.uk with the PREC reference numbercode: 0125-21-03. On the next page you will be asked to give your consent to take part in the study. Your participation is greatly appreciated

Please read each of the following statements carefully.  
  
  
**Select whether you agree or disagree with the following statements which indicate your consent to take part in this study.**

|  |  |  |
| --- | --- | --- |
|  | Agree | Disagree |
| I confirm I have received enough information about the study to make a decision about my participation. |  |  |
| I understand that my participant in this study is voluntary, and I am free to withdraw at any time without giving any reason by closing my browser. |  |  |
| I understand that I do not have to give a reason for withdrawing. |  |  |
| I understand that taking part involves anonymised questionnaire responses to be used for the purpose of research. |  |  |
| I confirm I am over the age of 18 at the time of this research |  |  |
| I confirm that I am a UK resident at the time of this research |  |  |
| I confirm that I will be given the opportunity to win an Amazon voucher, and that **my chances of winning an Amazon voucher will improve the more accurate my estimates are.** |  |  |
| I confirm that I am completing this questionnaire on a desktop or laptop computer with a physical keyboard. |  |  |

Please note if you responded with "no" to any of the above statements, you will be unable to continue with the survey.    
    
If you're currently on a phone or tablet and would like to continue on a desktop or laptop, please just close the survey instead.

This section looks at your attitudes towards several environmental issues. In particular, here we are interested in what you think about [Household Recycling/ Extinction Rebellion]. [“by household recycling, we mean when individuals recycle waste rather than commercial or industrial recycling. When thinking about household recycling, think about the potential impacts of recycling as well as the act of recycling itself”/ “Extinction Rebellion

(XR) is a global environmentalist movement which aims to use civil disobedience to

compel government action. When thinking about XR, think about the thoughts and aims

of the group as well as their actions and protests”.].  
  
  
Out of the options below, please select the one that most accurately reflects your attitude. We are interested in what your attitude is right now, at this very moment. Give your first impression. Don't spend too much time on any one statement.  
  
**I believe that**[Household Recycling/ Extinction Rebellion] **is:**

* Extremely Harmful
* Very Harmful
* Slightly Harmful
* Neither
* Slightly Beneficial
* Very Beneficial
* Extremely Beneficial

|  |  |
| --- | --- |
| Page Break |  |

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|  |

Here are some more questions about [Household Recycling/ Extinction Rebellion]. We are interested in what your attitude is right now, at this very moment. Please give your first impression. Don't spend too much time on any one statement.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Not at All | Mildly | Moderately | Very | Extremely |
| How **certain** do you feel about your attitudes towards [Household Recycling/ Extinction Rebellion]? |  |  |  |  |  |
| How **strong** are your feelings towards [Household Recycling/ Extinction Rebellion]? |  |  |  |  |  |
| How **important** would you say [Household Recycling/ Extinction Rebellion] is to you personally? |  |  |  |  |  |
| How **relevant** is [Household Recycling/ Extinction Rebellion] to you personally? |  |  |  |  |  |

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| Page Break |  |

Here are some more questions about [Household Recycling/ Extinction Rebellion]. We are interested in what your attitude is right now, at this very moment. Please give your first impression. Don't spend too much time on any one statement.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Strongly Disagree | - | - | - | - | - | Strongly Agree |
| I find myself torn between positive and negative feelings towards [Household Recycling/ Extinction Rebellion]. |  |  |  |  |  |  |  |
| I feel conflicted in my attitudes towards [Household Recycling/ Extinction Rebellion]. |  |  |  |  |  |  |  |
| I'm not at all confused about [Household Recycling/ Extinction Rebellion] because I have strong thoughts about it and have made up my mind in one way. |  |  |  |  |  |  |  |
| My head and my heart seem to be in disagreement in my attitude towards [Household Recycling/ Extinction Rebellion]. |  |  |  |  |  |  |  |
| I do not find myself feeling torn between positive and negative feelings toward [Household Recycling/ Extinction Rebellion]. |  |  |  |  |  |  |  |
| I'm confused about [Household Recycling/ Extinction Rebellion] because I have strong thoughts about it and I can't make my mind up one way or the other about it. |  |  |  |  |  |  |  |
| I feel no conflict between my head and my heart in my attitude towards [Household Recycling/ Extinction Rebellion]. |  |  |  |  |  |  |  |
| This question tests your attention throughout the study. To demonstrate that you are paying attention please select "Strongly Agree". |  |  |  |  |  |  |  |

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Here are some more questions about [Household Recycling/ Extinction Rebellion]. Please give your first impression. Don't spend too much time on any one statement.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Feel no indecision at all | - | - | - | - | - | Feel maximum indecision |
| How indecisive do you feel in your attitude towards [Household Recycling/ Extinction Rebellion]? |  |  |  |  |  |  |  |
| How mixed do you feel in your attitude towards [Household Recycling/ Extinction Rebellion]? |  |  |  |  |  |  |  |

End of Block: Attitudes Pre-Manipulation

Start of Block: Main Questions (First Estimate)

**Estimating Facts about Society**  
  
In this part of the study we examine how people make estimates of facts about British society.   
  
For the success of this study, it is very important that you read the instructions below carefully and follow them as much as you can. Thank you for your understanding!  
  
You will make several estimates from 0 to 100, such as "Out of every 100 people in the UK, how many use the internet daily?".   
  
Some of the questions are very difficult, so don't be surprised if many estimates are difficult for you, this is completely normal. We politely ask you to not use a search engine for the purposes of this task: as researchers we are interested in the estimates you believe to be true about each fact.  
  
  
Remember that the more accurate your estimates are, the higher the chance that you will win an Amazon voucher.  
  
Below is an example of the type of question you will be asked. Have a go at answering the question:Out of every 100 young adults aged 25-34 in the UK, how many do you think live with their parents?

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

|  |  |
| --- | --- |
| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think do not affiliate themselves with any religion?**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

|  |  |
| --- | --- |
| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think are immigrants to this country (i.e. not born in this country?)**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

|  |  |
| --- | --- |
| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think said they personally believe that homosexuality is morally unacceptable?**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

|  |  |
| --- | --- |
| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think are Muslim?**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

|  |  |
| --- | --- |
| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think die as a result of suicide?**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

|  |  |
| --- | --- |
| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think said they personally believe that having an abortion is morally unacceptable?**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

|  |  |
| --- | --- |
| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think die as a result of terrorism or conflict?**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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| --- | --- |
| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think die as a result of cancer?**

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|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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| --- | --- |
| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think said their own health was very good or good?**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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| --- | --- |
| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think said they personally believe that sex between unmarried adults is morally unacceptable?**

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|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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| --- | --- |
| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think are aged 14 or younger?**

|  |  |  |  |  |  |  |  |  |  |  |  |
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|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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| --- | --- |
| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think die use disorders such as drug or alcohol addiction?**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

|  |  |
| --- | --- |
| Out of every 100 people in the UK, how many do you think die use disorders such as drug or alcohol addiction?Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think die as a result of interpersonal violence such as homicide or murder?**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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| --- | --- |
| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think own a smartphone?**

|  |  |  |  |  |  |  |  |  |  |  |  |
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|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think say they believe in hell?**

|  |  |  |  |  |  |  |  |  |  |  |  |
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|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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| --- | --- |
| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think say they believe in God?**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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| --- | --- |
| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, about how many working age people do you think are unemployed and looking for work?**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

|  |  |
| --- | --- |
| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think have a Facebook account (who are old enough to have one, i.e. 13 and over)?**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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| --- | --- |
| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think have access to the internet at home either through a computer or mobile device?**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

|  |  |
| --- | --- |
| Out of every 100 people in the UK, how many do you think have access to the internet at home either through a computer or mobile device? |  |

**Out of every 100 people in the UK, how many said that, taking all things together, they are very happy or rather happy?**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

|  |  |
| --- | --- |
| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think are either overweight or obese (excluding children)?**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

|  |  |
| --- | --- |
| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

End of Block: Main Questions (First Estimate)

Start of Block: Break

Thank you for providing those estimates.  
  
  
Please take a short break before moving on to the next section. The button to continue will appear after 30 seconds, but you are welcome to take longer before continuing.

# Repeated Estimates Condition

In the first part of this study you made a number of estimates about British society. Below is one of those questions.  For each question, consider how many individuals per 100 in the UK each statement is true for.

Imagine that you had just started this study and were making this estimate for the first time.   
Remember that the more accurate your estimates are, the higher the chance that you will win an Amazon voucher.

To practice, here is the original item you used for practice presented again.   
    
 The practice question was:    **Out of every 100 young adults aged 25-34 in the UK, how many do you think live with their parents?**  
     
Imagine that you had just started this study and were making this estimate for the first time.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

|  |  |
| --- | --- |
| Once you have decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think do not affiliate themselves with any religion?** Imagine that you had just started this study and were making this estimate for the first time.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

|  |  |
| --- | --- |
| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think are immigrants to this country (i.e. not born in this country?)** Imagine that you had just started this study and were making this estimate for the first time.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

|  |  |
| --- | --- |
| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think said they personally believe that homosexuality is morally unacceptable?** Imagine that you had just started this study and were making this estimate for the first time.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

|  |  |
| --- | --- |
| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think are Muslim?** Imagine that you had just started this study and were making this estimate for the first time.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

|  |  |
| --- | --- |
| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think said they personally believe that having an abortion is morally unacceptable?** Imagine that you had just started this study and were making this estimate for the first time.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

|  |  |
| --- | --- |
| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think die as a result of suicide?**  
 Imagine that you had just started this study and were making this estimate for the first time.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

|  |  |
| --- | --- |
| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think die as a result of terrorism or conflict?** Imagine that you had just started this study and were making this estimate for the first time.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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| --- | --- |
| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think die as a result of cancer?** Imagine that you had just started this study and were making this estimate for the first time.

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|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think said their own health was very good or good?** Imagine that you had just started this study and were making this estimate for the first time.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think said they personally believe that sex between unmarried adults is morally unacceptable?** Imagine that you had just started this study and were making this estimate for the first time.

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|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think are aged 14 or younger?** Imagine that you had just started this study and were making this estimate for the first time.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think die use disorders such as drug or alcohol addiction?** Imagine that you had just started this study and were making this estimate for the first time.

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|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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| --- | --- |
| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think die as a result of interpersonal violence such as homicide or murder?** Imagine that you had just started this study and were making this estimate for the first time.

|  |  |  |  |  |  |  |  |  |  |  |  |
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|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think own a smartphone?** Imagine that you had just started this study and were making this estimate for the first time.

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|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think say they believe in hell?** Imagine that you had just started this study and were making this estimate for the first time.

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|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think say they believe in God?** Imagine that you had just started this study and were making this estimate for the first time.

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|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, about how many working age people do you think are unemployed and looking for work?** Imagine that you had just started this study and were making this estimate for the first time.

|  |  |  |  |  |  |  |  |  |  |  |  |
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|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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| --- | --- |
| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think have a Facebook account (who are old enough to have one, i.e. 13 and over)?** Imagine that you had just started this study and were making this estimate for the first time.

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|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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| --- | --- |
| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think have access to the internet at home either through a computer or mobile device?** Imagine that you had just started this study and were making this estimate for the first time.

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|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many said that, taking all things together, they are very happy or rather happy?**   Imagine that you had just started this study and were making this estimate for the first time. 

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|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

|  |  |
| --- | --- |
| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think are either overweight or obese (excluding children)?** Imagine that you had just started this study and were making this estimate for the first time.

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|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

|  |  |
| --- | --- |
| Above is a question about British society. Read the question carefully, and consider how many individuals per 100 in the UK each statement is true for. Once you decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

In the first part of this study you made a number of estimates about British society. In the next section, we will present you with these statements about British society again. Once again, you will be asked to consider how many individuals per 100 in the UK each statement is true for.   
However, we would like you to take a different approach in making these estimates.

Firstly, assume that your first estimate is off the mark.   
 Second, think about a few reasons why that could be. Which assumptions and considerations that you initially made could have been wrong?  Third, what do these new considerations imply? Was the first estimate rather too high or too low?  Fourth, based on this new perspective, make a second, alternative estimate.  Remember that the more accurate your estimates are, the higher the chance that you will win an Amazon voucher.  
 

To practice, here is the initial practice question presented again. Follow each of the steps below, writing a short sentence about your thought process in each stage of the process, before giving another estimate based on those thoughts.  
 The practice question was: Out of every 100 young adults aged 25-34 in the UK, how many do you think live with their parents? As a reminder, your initial estimate was ${FEPrac/ChoiceNumericEntryValue/6}. Firstly, assume that your first estimate is off the mark.

* **Second, think about a few reasons why that could be. Which assumptions and considerations that you initially made could have been wrong?** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* **Third, what do these new considerations imply?** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* **Was the first estimate rather too high or too low?** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Fourth, based on this new perspective, make a second, alternative estimate.**   
    
**Out of every 100 young adults aged 25-34 in the UK, how many do you think live with their parents?**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

|  |  |
| --- | --- |
| Once you have decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think do not affiliate themselves with any religion?**  
   
  
Firstly, assume that your first estimate is off the mark.  Second, think about a few reasons why that could be. Which assumptions and considerations that you initially made could have been wrong?  Third, what do these new considerations imply? Was the first estimate rather too high or too low?  Fourth, based on this new perspective, make a second, alternative estimate.   
As a reminder, your original answer was ${FE1/ChoiceNumericEntryValue/1}.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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| --- | --- |
| Once you have decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think are immigrants to this country (i.e. not born in this country)?**  
   
  
  
Firstly, assume that your first estimate is off the mark.  Second, think about a few reasons why that could be. Which assumptions and considerations that you initially made could have been wrong?  Third, what do these new considerations imply? Was the first estimate rather too high or too low?  Fourth, based on this new perspective, make a second, alternative estimate.   
As a reminder, your original answer was ${FE2/ChoiceNumericEntryValue/1}.

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|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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| --- | --- |
| Once you have decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think said they personally believe that homosexuality is morally unacceptable?**  
   
  
  
Firstly, assume that your first estimate is off the mark.  Second, think about a few reasons why that could be. Which assumptions and considerations that you initially made could have been wrong?  Third, what do these new considerations imply? Was the first estimate rather too high or too low?  Fourth, based on this new perspective, make a second, alternative estimate.   
As a reminder, your original answer was ${FE3/ChoiceNumericEntryValue/1}.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

|  |  |
| --- | --- |
| Once you have decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think are Muslim?**  
   
  
  
Firstly, assume that your first estimate is off the mark.  Second, think about a few reasons why that could be. Which assumptions and considerations that you initially made could have been wrong?  Third, what do these new considerations imply? Was the first estimate rather too high or too low?  Fourth, based on this new perspective, make a second, alternative estimate.   
As a reminder, your original answer was ${FE4/ChoiceNumericEntryValue/1}.

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|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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| --- | --- |
| Once you have decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think said they personally believe that having an abortion is morally unacceptable?**  
   
  
  
Firstly, assume that your first estimate is off the mark.  Second, think about a few reasons why that could be. Which assumptions and considerations that you initially made could have been wrong?  Third, what do these new considerations imply? Was the first estimate rather too high or too low?  Fourth, based on this new perspective, make a second, alternative estimate.   
As a reminder, your original answer was ${FE5/ChoiceNumericEntryValue/1}.

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|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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| Once you have decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think die as a result of suicide?**  
   
  
  
Firstly, assume that your first estimate is off the mark.  Second, think about a few reasons why that could be. Which assumptions and considerations that you initially made could have been wrong?  Third, what do these new considerations imply? Was the first estimate rather too high or too low?  Fourth, based on this new perspective, make a second, alternative estimate.   
As a reminder, your original answer was ${FE6/ChoiceNumericEntryValue/1}.

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|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

|  |  |
| --- | --- |
| Once you have decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think die as a result of terrorism or conflict?**  
   
  
  
Firstly, assume that your first estimate is off the mark.  Second, think about a few reasons why that could be. Which assumptions and considerations that you initially made could have been wrong?  Third, what do these new considerations imply? Was the first estimate rather too high or too low?  Fourth, based on this new perspective, make a second, alternative estimate.   
As a reminder, your original answer was ${FE7/ChoiceNumericEntryValue/1}.

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|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

|  |  |
| --- | --- |
| Once you have decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think die as a result of cancer?**  
   
  
  
Firstly, assume that your first estimate is off the mark.  Second, think about a few reasons why that could be. Which assumptions and considerations that you initially made could have been wrong?  Third, what do these new considerations imply? Was the first estimate rather too high or too low?  Fourth, based on this new perspective, make a second, alternative estimate.   
As a reminder, your original answer was ${FE8/ChoiceNumericEntryValue/1}.

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|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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| Once you have decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think said their own health was very good or good?**  
   
  
  
Firstly, assume that your first estimate is off the mark.  Second, think about a few reasons why that could be. Which assumptions and considerations that you initially made could have been wrong?  Third, what do these new considerations imply? Was the first estimate rather too high or too low?  Fourth, based on this new perspective, make a second, alternative estimate.   
As a reminder, your original answer was ${FE9/ChoiceNumericEntryValue/1}.

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|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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| --- | --- |
| Once you have decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think said they personally believe that sex between unmarried adults is morally unacceptable?**  
   
  
  
Firstly, assume that your first estimate is off the mark.  Second, think about a few reasons why that could be. Which assumptions and considerations that you initially made could have been wrong?  Third, what do these new considerations imply? Was the first estimate rather too high or too low?  Fourth, based on this new perspective, make a second, alternative estimate.   
As a reminder, your original answer was ${FE10/ChoiceNumericEntryValue/1}.

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|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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| --- | --- |
| Once you have decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think are aged 14 or younger?**  
   
  
  
Firstly, assume that your first estimate is off the mark.  Second, think about a few reasons why that could be. Which assumptions and considerations that you initially made could have been wrong?  Third, what do these new considerations imply? Was the first estimate rather too high or too low?  Fourth, based on this new perspective, make a second, alternative estimate.   
As a reminder, your original answer was ${FE11/ChoiceNumericEntryValue/1}.

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|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

|  |  |
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| Once you have decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think die due to disorders such as drug or alcohol addiction?**  
  
  
  
Firstly, assume that your first estimate is off the mark.  Second, think about a few reasons why that could be. Which assumptions and considerations that you initially made could have been wrong?  Third, what do these new considerations imply? Was the first estimate rather too high or too low?  Fourth, based on this new perspective, make a second, alternative estimate.   
As a reminder, your original answer was ${FE12/ChoiceNumericEntryValue/1}.

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|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

|  |  |
| --- | --- |
| Once you have decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think die as a result of interpersonal violence such as homicide or murder?**  
  
  
  
  
Firstly, assume that your first estimate is off the mark.  Second, think about a few reasons why that could be. Which assumptions and considerations that you initially made could have been wrong?  Third, what do these new considerations imply? Was the first estimate rather too high or too low?  Fourth, based on this new perspective, make a second, alternative estimate.   
As a reminder, your original answer was ${FE13/ChoiceNumericEntryValue/1}.

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|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

|  |  |
| --- | --- |
| Once you have decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think own a smartphone?**  
  
  
  
  
Firstly, assume that your first estimate is off the mark.  Second, think about a few reasons why that could be. Which assumptions and considerations that you initially made could have been wrong?  Third, what do these new considerations imply? Was the first estimate rather too high or too low?  Fourth, based on this new perspective, make a second, alternative estimate.   
As a reminder, your original answer was ${FE14/ChoiceNumericEntryValue/1}.

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|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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| --- | --- |
| Once you have decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think say they believe in hell?**  
  
  
  
  
Firstly, assume that your first estimate is off the mark.  Second, think about a few reasons why that could be. Which assumptions and considerations that you initially made could have been wrong?  Third, what do these new considerations imply? Was the first estimate rather too high or too low?  Fourth, based on this new perspective, make a second, alternative estimate.   
As a reminder, your original answer was ${FE15/ChoiceNumericEntryValue/1}.

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|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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| --- | --- |
| Once you have decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think say they believe in God?**  
  
  
  
  
Firstly, assume that your first estimate is off the mark.  Second, think about a few reasons why that could be. Which assumptions and considerations that you initially made could have been wrong?  Third, what do these new considerations imply? Was the first estimate rather too high or too low?  Fourth, based on this new perspective, make a second, alternative estimate.   
As a reminder, your original answer was ${FE16/ChoiceNumericEntryValue/1}.

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|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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| --- | --- |
| Once you have decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, about how many working age people do you think are unemployed and looking for work?**  
  
  
  
  
Firstly, assume that your first estimate is off the mark.  Second, think about a few reasons why that could be. Which assumptions and considerations that you initially made could have been wrong?  Third, what do these new considerations imply? Was the first estimate rather too high or too low?  Fourth, based on this new perspective, make a second, alternative estimate.   
As a reminder, your original answer was ${FE17/ChoiceNumericEntryValue/1}.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

|  |  |
| --- | --- |
| Once you have decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think have a Facebook account (who are old enough to have one, i.e. 13 and over)?**  
  
  
  
  
Firstly, assume that your first estimate is off the mark.  Second, think about a few reasons why that could be. Which assumptions and considerations that you initially made could have been wrong?  Third, what do these new considerations imply? Was the first estimate rather too high or too low?  Fourth, based on this new perspective, make a second, alternative estimate.   
As a reminder, your original answer was ${FE18/ChoiceNumericEntryValue/1}.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

|  |  |
| --- | --- |
| Once you have decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think have access to the internet at home either through a computer or mobile device?**  
  
  
  
  
Firstly, assume that your first estimate is off the mark.  Second, think about a few reasons why that could be. Which assumptions and considerations that you initially made could have been wrong?  Third, what do these new considerations imply? Was the first estimate rather too high or too low?  Fourth, based on this new perspective, make a second, alternative estimate.   
As a reminder, your original answer was ${FE19/ChoiceNumericEntryValue/1}.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

|  |  |
| --- | --- |
| Once you have decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many said that, taking all things together, they are very happy or rather happy?**  
  
  
  
  
Firstly, assume that your first estimate is off the mark.  Second, think about a few reasons why that could be. Which assumptions and considerations that you initially made could have been wrong?  Third, what do these new considerations imply? Was the first estimate rather too high or too low?  Fourth, based on this new perspective, make a second, alternative estimate.   
As a reminder, your original answer was ${FE20/ChoiceNumericEntryValue/1}.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

|  |  |
| --- | --- |
| Once you have decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

**Out of every 100 people in the UK, how many do you think are either overweight or obese (excluding children)?**  
  
  
  
  
Firstly, assume that your first estimate is off the mark.  Second, think about a few reasons why that could be. Which assumptions and considerations that you initially made could have been wrong?  Third, what do these new considerations imply? Was the first estimate rather too high or too low?  Fourth, based on this new perspective, make a second, alternative estimate.   
As a reminder, your original answer was ${FE21/ChoiceNumericEntryValue/1}.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

|  |  |
| --- | --- |
| Once you have decided on your estimate please move the slider to the appropriate number between 0 and 100. Please give your best estimate. |  |

End of Block: Main Questions (Dialectical Bootstrapping)

Start of Block: Open-Minded Cognition

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|  |

The following questions concern your attitudes, beliefs and experiences.  
  
How much do you agree or disagree with the following statements? There are no right or wrong answers, we are just interested in your opinions.   
  
  
Please click on the circle that bests matches your opinion, on a scale from strongly disagree (1) to strongly agree (7).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Strongly Disagree | - | - | - | - | - | Strongly Agree |
| I have no patience for arguments I disagree with. |  |  |  |  |  |  |  |
| I often "tune out" messages I disagree with. |  |  |  |  |  |  |  |
| I believe it is a waste of time to pay attention to certain ideas. |  |  |  |  |  |  |  |
| I try to reserve judgement until I have a chance to hear arguments from both sides of an issue. |  |  |  |  |  |  |  |
| I am open to considering other viewpoints. |  |  |  |  |  |  |  |
| When thinking about an issue, I consider as many different opinions as possible. |  |  |  |  |  |  |  |
| This question tests your attention throughout the study. To demonstrate that you are paying attention please select "strongly disagree". |  |  |  |  |  |  |  |

End of Block: Open-Minded Cognition

Start of Block: Need for Closure

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The following questions concern your attitudes, beliefs and experiences.  
  
How much do you agree or disagree with the following statements? There are no right or wrong answers, we are just interested in your opinions.   
  
  
Please click on the circle that bests matches your opinion, on a scale from strongly disagree (1) to strongly agree (7).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Strongly Disagree | - | - | - | - | - | Strongly Agree |
| I do not like situations that are uncertain. |  |  |  |  |  |  |  |
| I dislike questions which could be answered in many different ways. |  |  |  |  |  |  |  |
| I find that a well-ordered life with regular hours suits my temperament. |  |  |  |  |  |  |  |
| I feel uncomfortable when I don't understand the reason why an event occurred in my life. |  |  |  |  |  |  |  |
| I feel irritated when one person disagrees with what everyone else in a group believes. |  |  |  |  |  |  |  |
| I don't like to go into a situation without knowing what I can expect from it. |  |  |  |  |  |  |  |
| When I have made a decision, I feel relieved. |  |  |  |  |  |  |  |
| When I am confronted with a problem, I'm dying to reach a solution very quickly. |  |  |  |  |  |  |  |
| I would quickly become impatient and irritated if I would not find a solution to a problem immediately. |  |  |  |  |  |  |  |
| I don't like to be with people who are capable of unexpected actions. |  |  |  |  |  |  |  |
| I dislike it when a person’s statement could mean many different things. |  |  |  |  |  |  |  |
| I find that establishing a consistent routine enables me to enjoy life more. |  |  |  |  |  |  |  |
| I enjoy having a clear and structured mode of life. |  |  |  |  |  |  |  |
| I do not usually consult many different opinions before forming my own view. |  |  |  |  |  |  |  |
| I dislike unpredictable situations. |  |  |  |  |  |  |  |

End of Block: Need for Closure

Start of Block: Attitudes Post-Manipulation

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A while back, we asked you about your attitudes towards [Household Recycling/ Extinction Rebellion]. Now we would like to ask you these questions again. [“by household recycling, we mean when individuals recycle waste rather than commercial or industrial recycling. When thinking about household recycling, think about the potential impacts of recycling as well as the act of recycling itself”/ “Extinction Rebellion

(XR) is a global environmentalist movement which aims to use civil disobedience to

compel government action. When thinking about XR, think about the thoughts and aims

of the group as well as their actions and protests”.].   
  
  
Out of the options below, please select the one that most accurately reflects your attitude. We are interested in what your attitude is right now, at this very moment. Give your first impression. Don't spend too much time on any one statement.  
  
**I believe that [Household Recycling/ Extinction Rebellion] is:**

* Extremely Harmful
* Very Harmful
* Slightly Harmful
* Neither
* Slightly Beneficial
* Very Beneficial
* Extremely Beneficial

|  |  |
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| Page Break |  |

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|  |

A while back, we asked you about your attitudes towards [Household Recycling/ Extinction Rebellion]. Now we would like to ask you these questions again.  
  
We are interested in what your attitude is right now, at this very moment. Please give your first impression. Don't spend too much time on any one statement.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Not at All | Mildly | Moderately | Very | Extremely |
| How **certain** do you feel about your attitudes towards [Household Recycling/ Extinction Rebellion]? |  |  |  |  |  |
| How **strong** are your feelings towards [Household Recycling/ Extinction Rebellion]? |  |  |  |  |  |
| How **important** would you say [Household Recycling/ Extinction Rebellion] is to you personally? |  |  |  |  |  |
| How **relevant** is [Household Recycling/ Extinction Rebellion] to you personally? |  |  |  |  |  |

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| Page Break |  |

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A while back, we asked you about your attitudes towards [Household Recycling/ Extinction Rebellion]. Now we would like to ask you these questions again.  
  
  
We are interested in what your attitude is right now, at this very moment. Please give your first impression. Don't spend too much time on any one statement.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Strongly Disagree | - | - | - | - | - | Strongly Agree |
| I find myself torn between positive and negative feelings towards [Household Recycling/ Extinction Rebellion]. |  |  |  |  |  |  |  |
| I feel conflicted in my attitudes towards [Household Recycling/ Extinction Rebellion]. |  |  |  |  |  |  |  |
| I'm not at all confused about [Household Recycling/ Extinction Rebellion] because I have strong thoughts about it and have made up my mind in one way. |  |  |  |  |  |  |  |
| My head and my heart seem to be in disagreement in my attitude towards [Household Recycling/ Extinction Rebellion]. |  |  |  |  |  |  |  |
| I do not find myself feeling torn between positive and negative feelings toward [Household Recycling/ Extinction Rebellion]. |  |  |  |  |  |  |  |
| I'm confused about [Household Recycling/ Extinction Rebellion] because I have strong thoughts about it and I can't make my mind up one way or the other about it. |  |  |  |  |  |  |  |
| I feel no conflict between my head and my heart in my attitude towards [Household Recycling/ Extinction Rebellion]. |  |  |  |  |  |  |  |

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A while back, we asked you about your attitudes towards [Household Recycling/ Extinction Rebellion]. Now we would like to ask you these questions again.  
  
  
Here are some more questions about [Household Recycling/ Extinction Rebellion]. Please give your first impression. Don't spend too much time on any one statement.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Feel no indecision at all | - | - | - | - | - | Feel maximum indecision |
| How indecisive do you feel in your attitude towards [Household Recycling/ Extinction Rebellion]? |  |  |  |  |  |  |  |
| How mixed do you feel in your attitude towards [Household Recycling/ Extinction Rebellion]? |  |  |  |  |  |  |  |

End of Block: Attitudes Post-Manipulation

Start of Block: Demographics/ Debrief Questions

Finally, we have a few questions about yourself and the study you just took part in.

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What is your age?

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What gender do you identify with?

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What is your nationality?

* British
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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What is the highest level of formal academic education you have completed?

* No formal qualifications
* GCSEs
* A Levels
* Bachelor's Degree (e.g. BSc, BA)
* Master's Degree (e.g. MA, MRes, MSc)
* Doctoral Degree (e.g. PhD)

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During the study, you may have been asked to have made a second round of estimates about social facts. Which of the following statements best characterises the second estimates you were made to do?

* I was asked to make second estimates **as if my first estimates and the assumptions behind them had been off the mark**.
* I was asked to make a second estimate **as if I had just started the study and were making the estimates for the first time**.
* **I was not asked to make second estimates.**

What do you think the true purpose of the study was?

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Do you have any other comments about the study?

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How well do you know British culture? Thank you for taking part in this research. The aim of this research was to find out under what conditions people make accurate estimates of social facts. We are also interested about when and why more accurate estimates of facts make people more less certain about their own beliefs and more open to alternative beliefs and to people who endorse such beliefs.  
  
To investigate this we asked you to estimate how often certain events occur. We have varied our instructions so that some research participants may have been asked to estimate the same fact twice while other have been asked to make a second estimate that is very different from their first estimate. We are interested in whether these two ways of making estimates change people’s certainty about their own beliefs and attitudes.  
  
The findings from this research will allow us to better understand how people make estimates of social facts and how to encourage people to have constructive conversations even on topics that they disagree on.  
  
Further support If you have any further queries or questions regarding the study, please feel free to email the researcher (Sam Taylor, sjt80@bath.ac.uk) or supervisors (Gosia Goclowska, M.A.Goclowska@bath.ac.uk, and Janina Hoffman, J.A.Hoffmann@bath.ac.uk).