# PISA2012 - data analysis

S. Srebnik, J. Sztachelski

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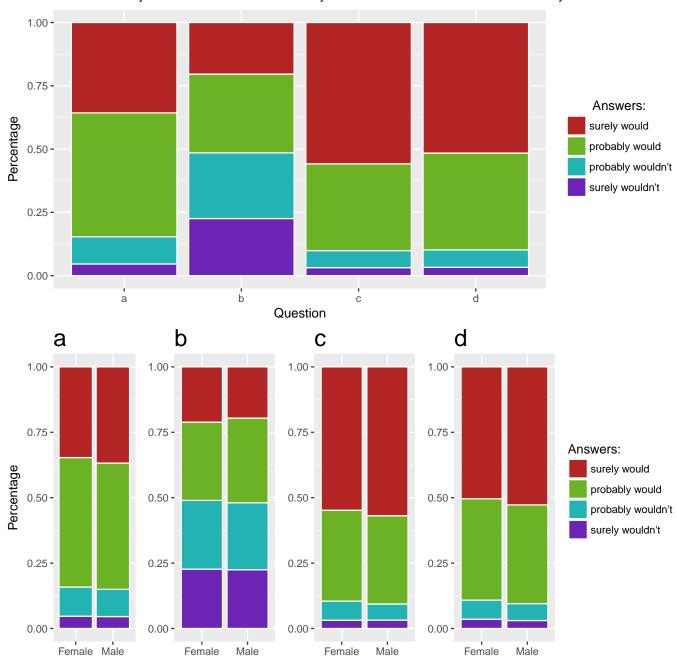
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# Abstract:

The report analyzes the results of an excerpt of PISA study conducted in 2012 in 65 countries. 15-year-old school pupils were asked about their behaviour during using a new type of a ticket machine. The main goal of the tail is to present results by country in terms of the total outcome as well as a breakdown by gender.

### 1. Albania

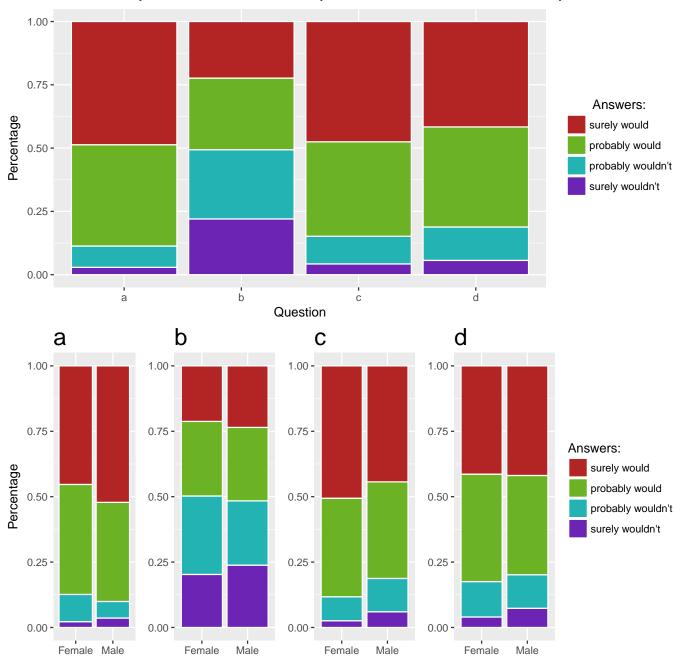
- a = I check how similar it is to other ticket machines I have used.
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 $\label{lem:condition} \begin{tabular}{ll} TableGrob~(1~x~2)~"arrange":~2~grobs~z~cells~name~grob~1~1~(1-1,1-1)~arrange~gtable[arrange]~2~2~(1-1,2-2)~arrange~gtable[guide-box] \end{tabular}$ 

### 2. United Arab Emirates

- a = I check how similar it is to other ticket machines I have used.
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# 3. Argentina

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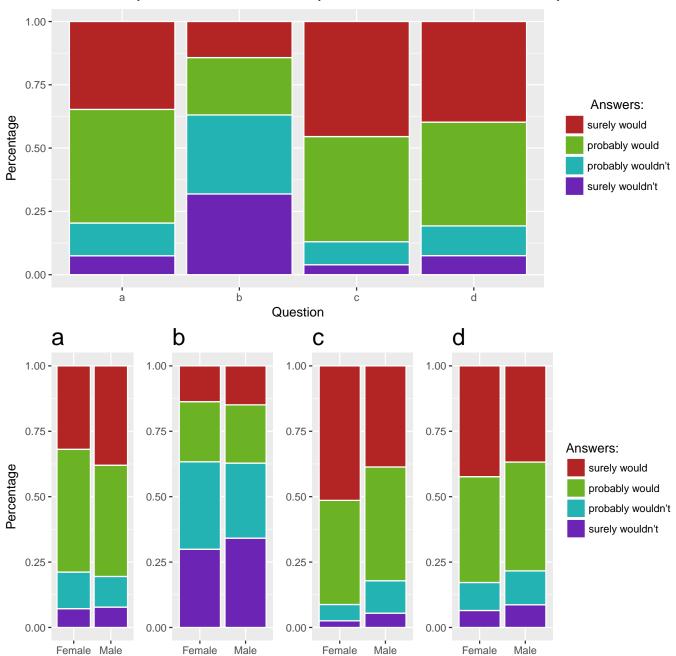
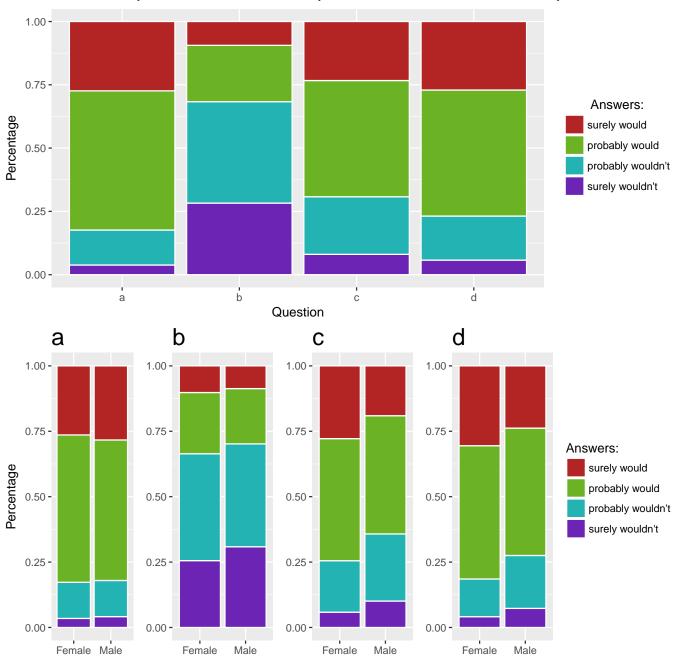


Table Grob (1 x 2) "arrange": 2 grobs z cells name grob 1 1 (1-1,1-1) arrange gtable [arrange] 2 2 (1-1,2-2) arrange gtable [guide-box]

### 4. Australia

- a = I check how similar it is to other ticket machines I have used.
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### 5. Austria

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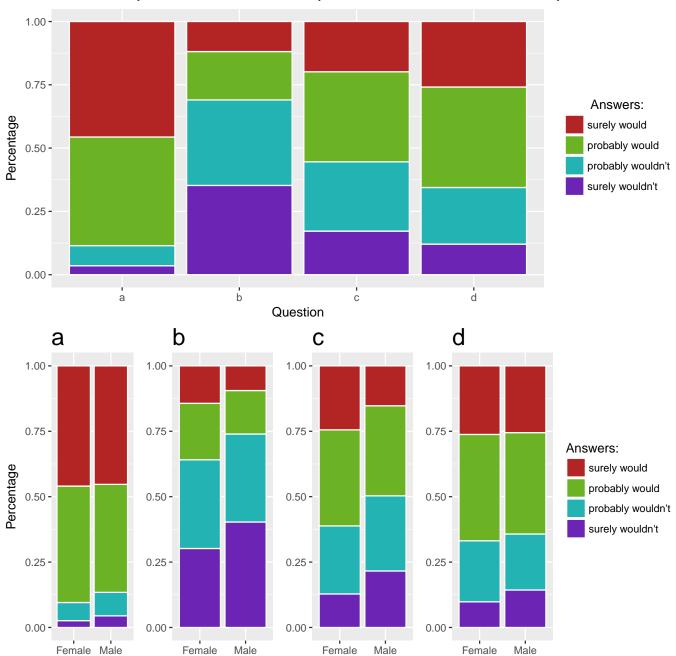


Table Grob (1 x 2) "arrange": 2 grobs z cells name grob 1 1 (1-1,1-1) arrange gtable [arrange] 2 2 (1-1,2-2) arrange gtable [guide-box]

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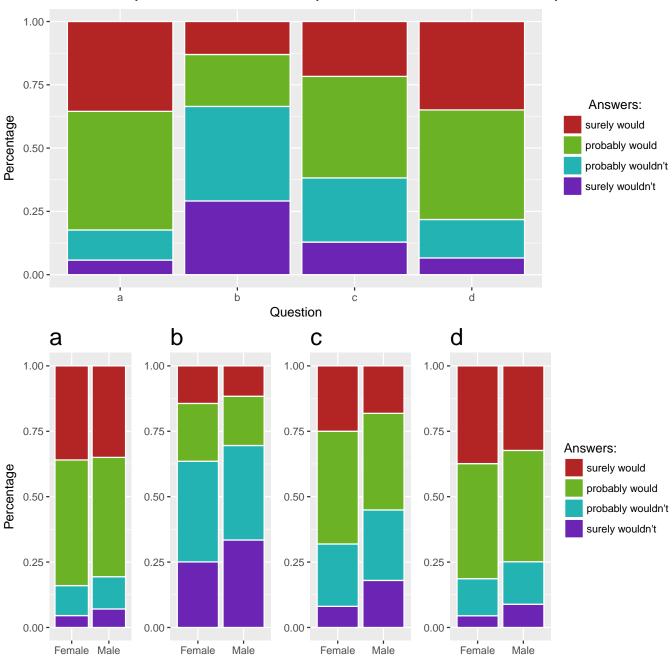


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# 7. Bulgaria

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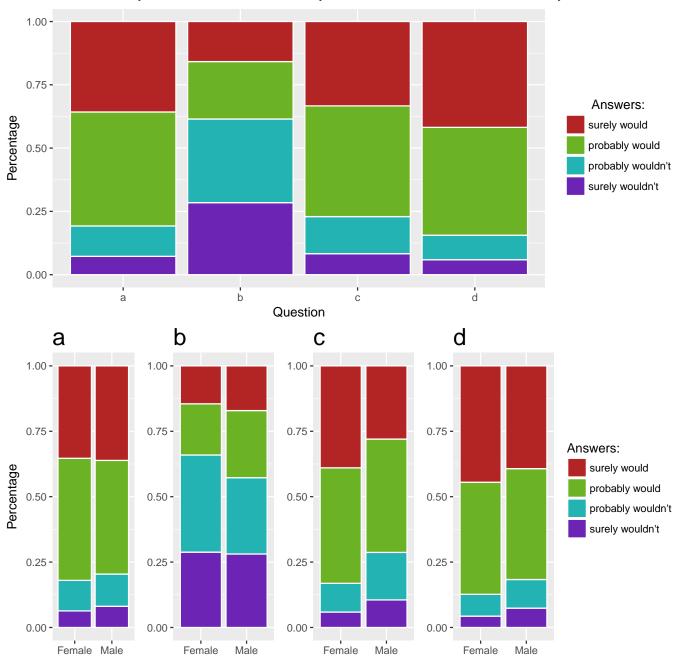
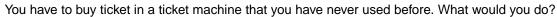


Table Grob (1 x 2) "arrange": 2 grobs z cells name grob 1 1 (1-1,1-1) arrange gtable [arrange] 2 2 (1-1,2-2) arrange gtable [guide-box]

## 8. Brazil

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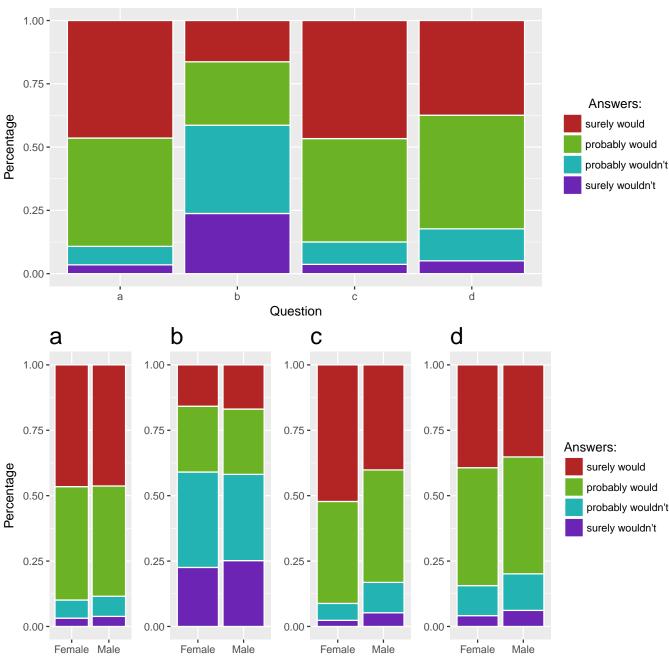


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### 9. Canada

- a = I check how similar it is to other ticket machines I have used.
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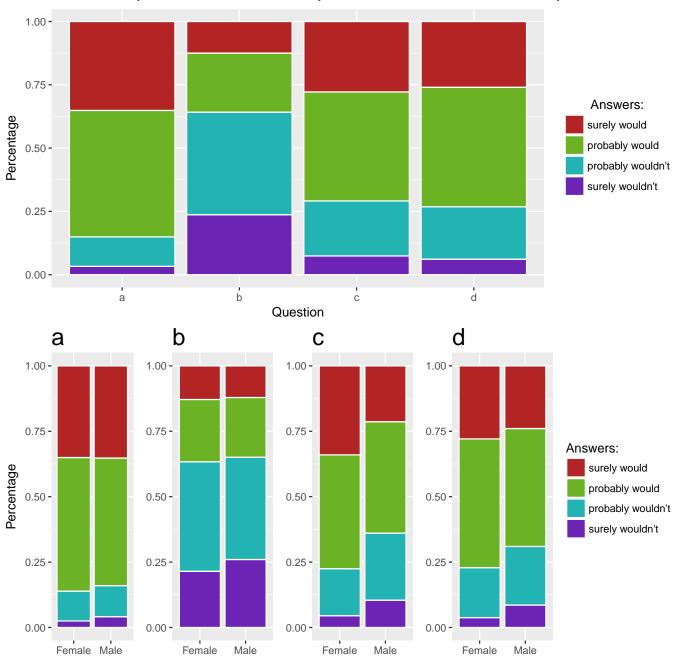


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### 10. Switzerland

- a = I check how similar it is to other ticket machines I have used.
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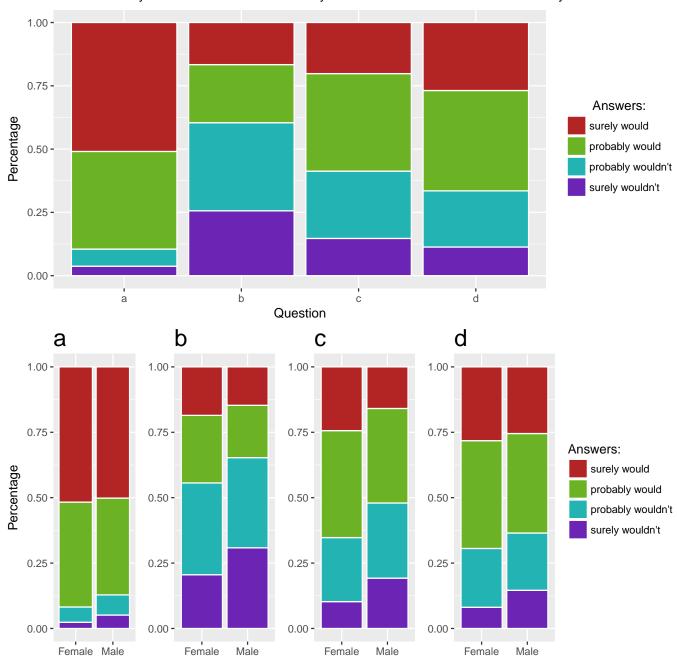


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### 11. Chile

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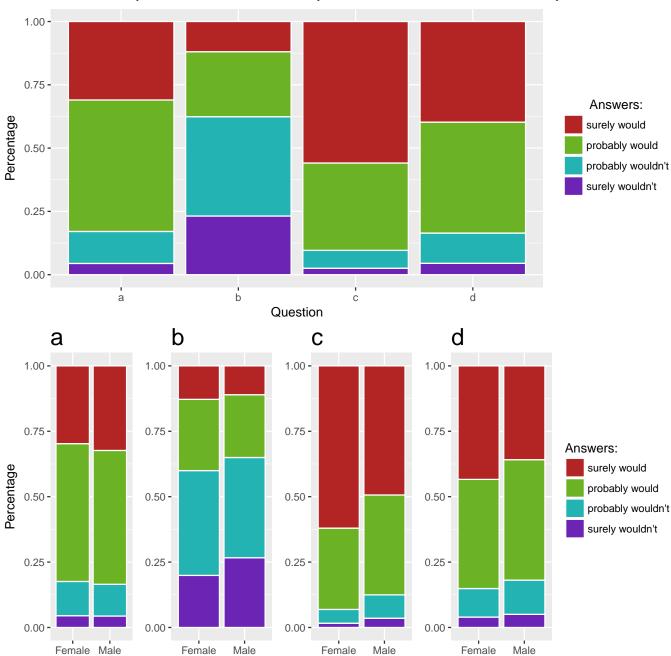


Table Grob (1 x 2) "arrange": 2 grobs z cells name grob 1 1 (1-1,1-1) arrange gtable [arrange] 2 2 (1-1,2-2) arrange gtable [guide-box]

### 12. Colombia

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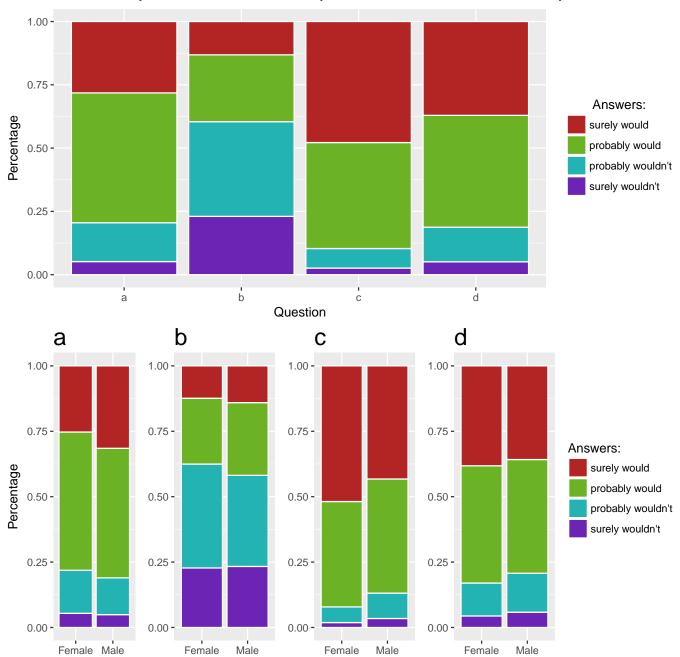


Table Grob (1 x 2) "arrange": 2 grobs z cells name grob 1 1 (1-1,1-1) arrange gtable [arrange] 2 2 (1-1,2-2) arrange gtable [guide-box]

### 13. Costa Rica

- a = I check how similar it is to other ticket machines I have used.
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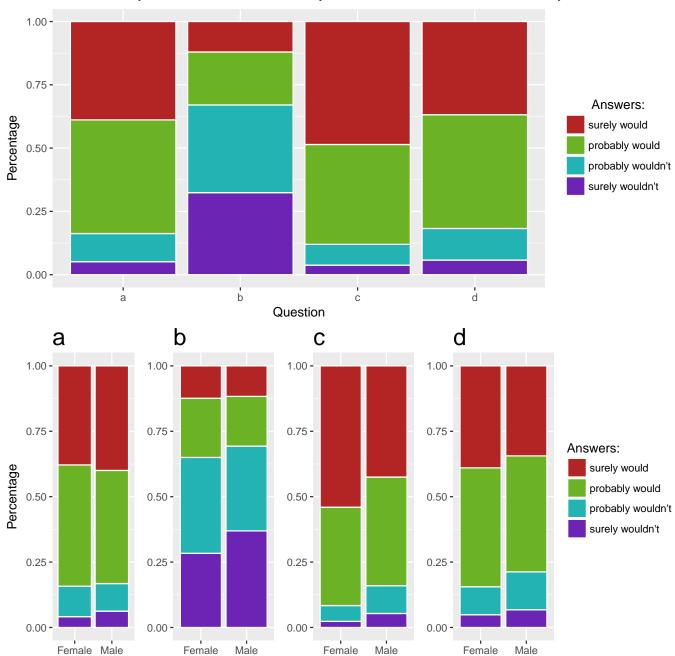
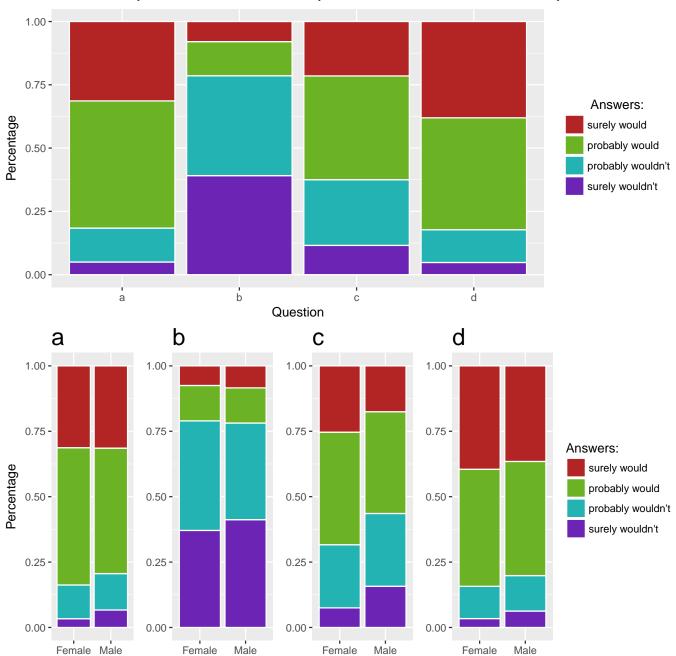


Table Grob (1 x 2) "arrange": 2 grobs z cells name grob 1 1 (1-1,1-1) arrange gtable [arrange] 2 2 (1-1,2-2) arrange gtable [guide-box]

# 14. Czech Republic

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# 15. Germany

- a = I check how similar it is to other ticket machines I have used.
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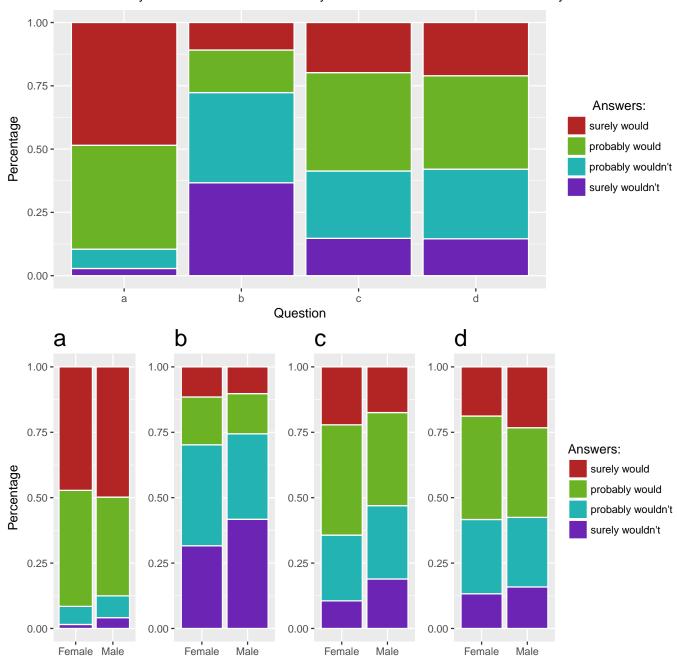


Table Grob (1 x 2) "arrange": 2 grobs z cells name grob 1 1 (1-1,1-1) arrange gtable [arrange] 2 2 (1-1,2-2) arrange gtable [guide-box]

### 16. Denmark

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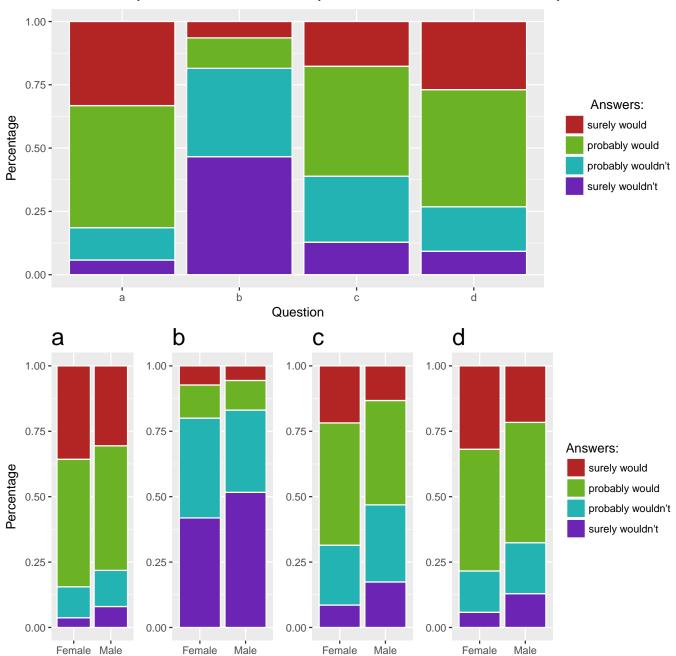


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# 17 . Spain

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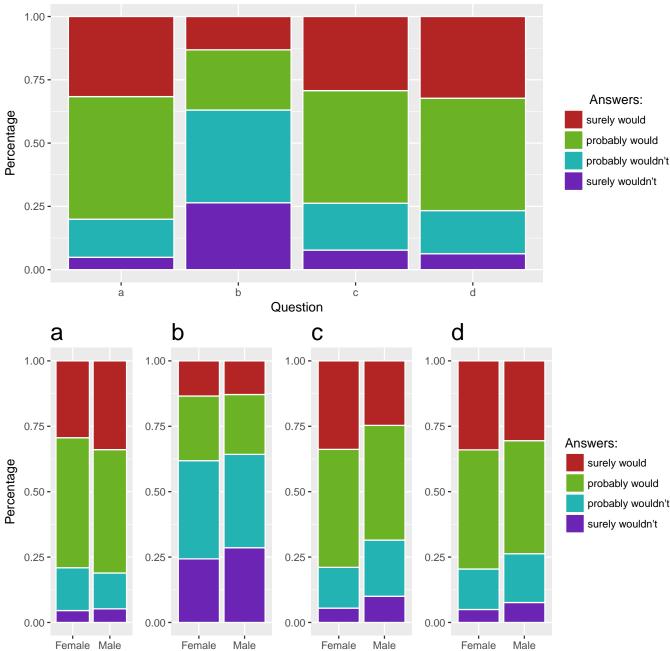


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### 18. Estonia

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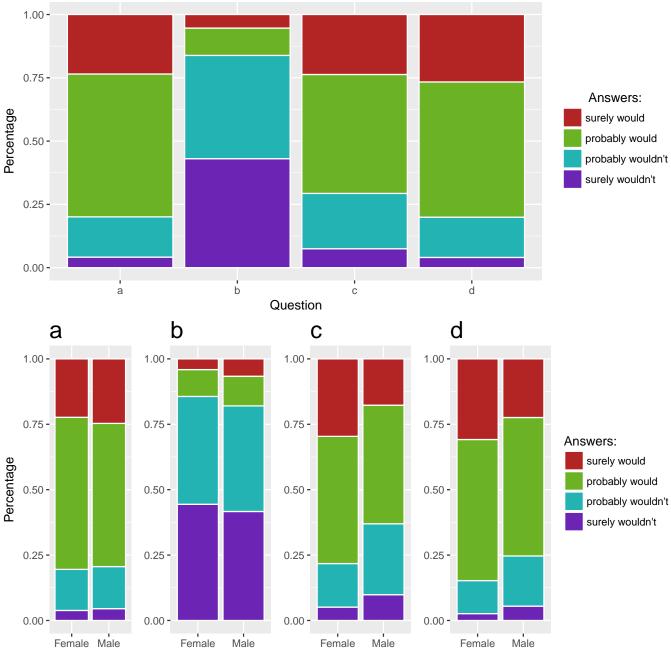
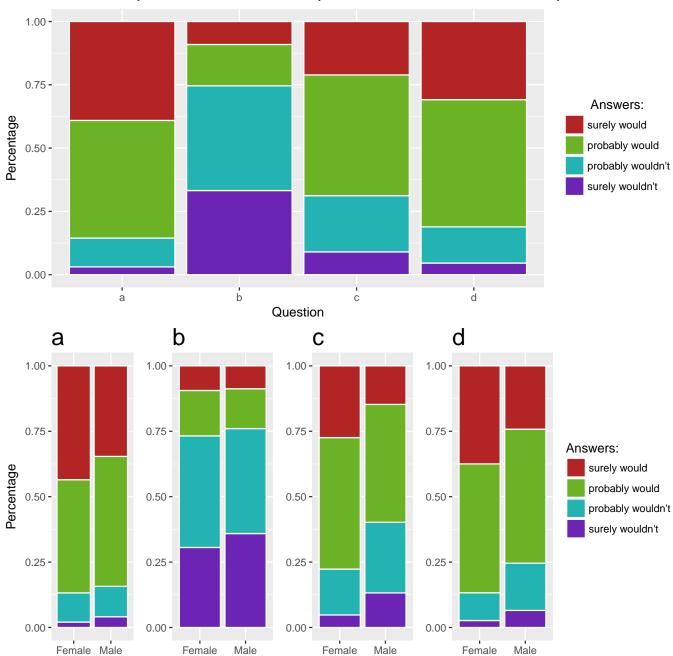


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### 19. Finland

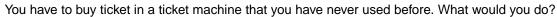
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### 20 . France

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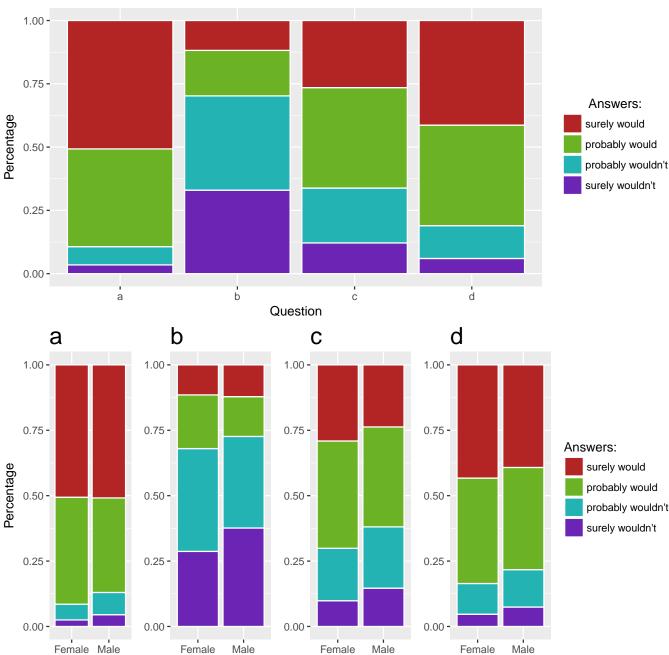
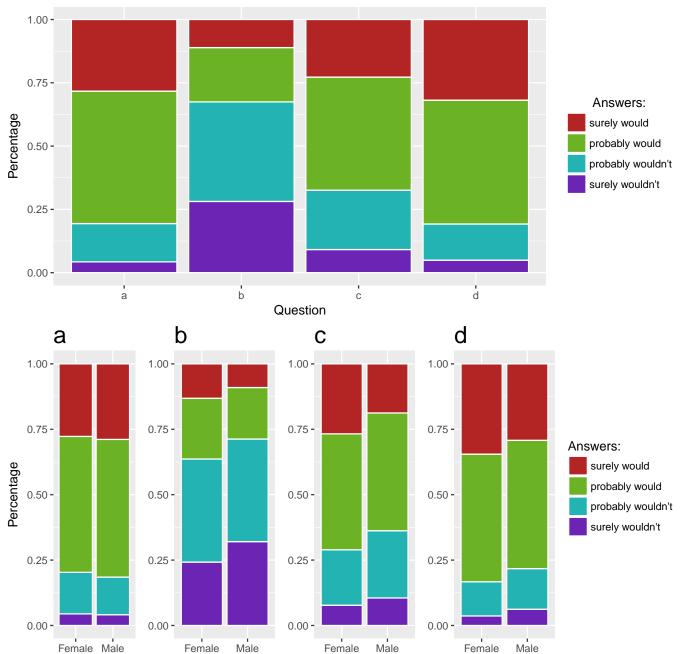


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# 21. United Kingdom

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#### 22. Greece

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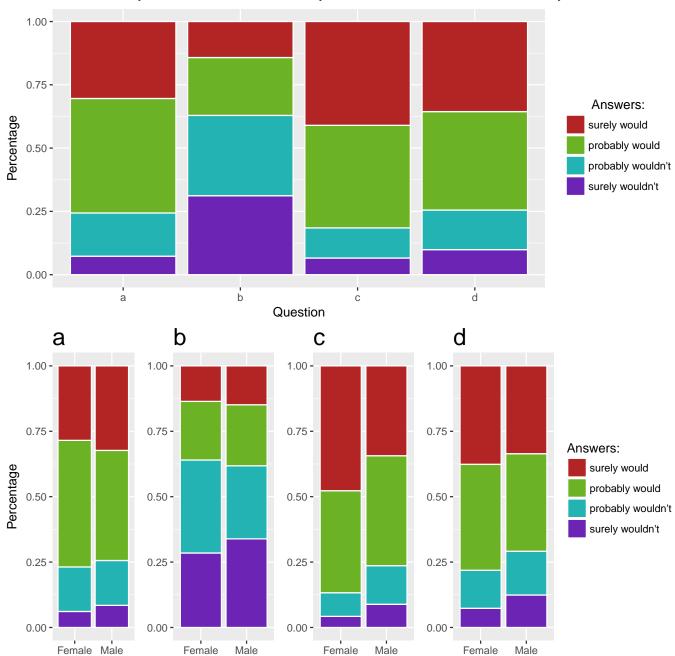
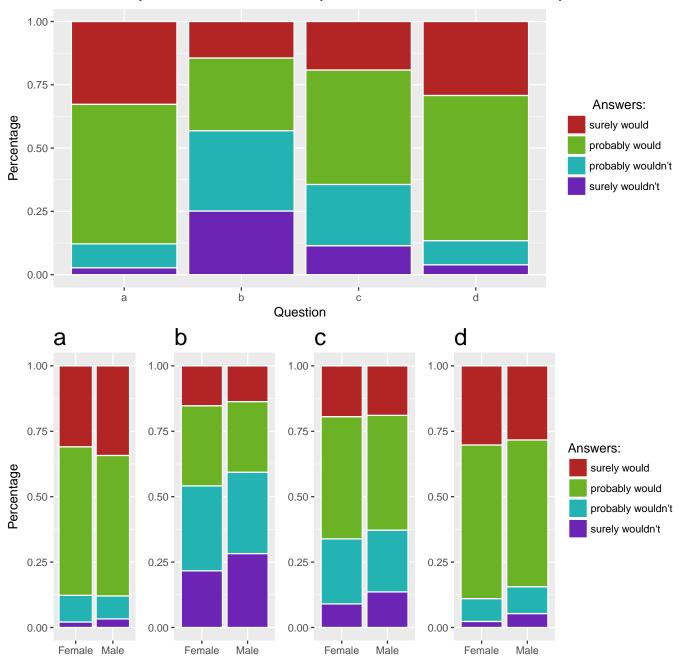


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# 23 . Hong Kong-China

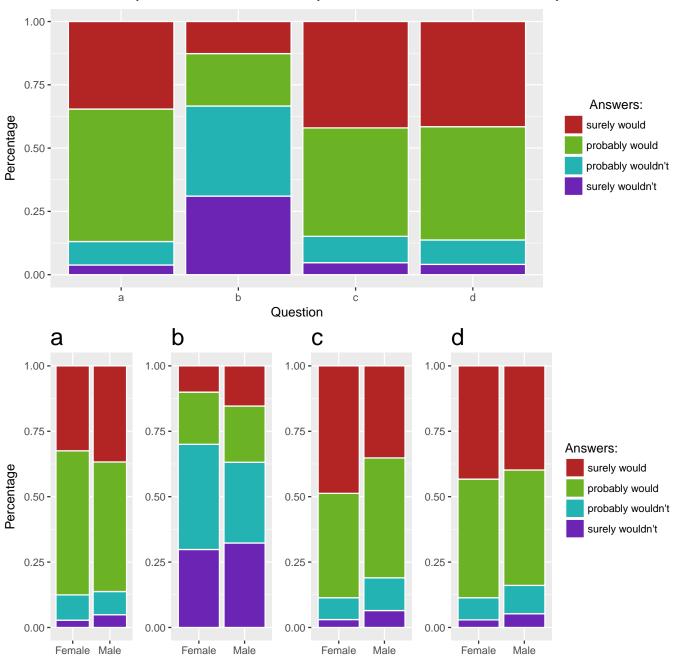
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### 24. Croatia

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## 25. Hungary

- a = I check how similar it is to other ticket machines I have used.
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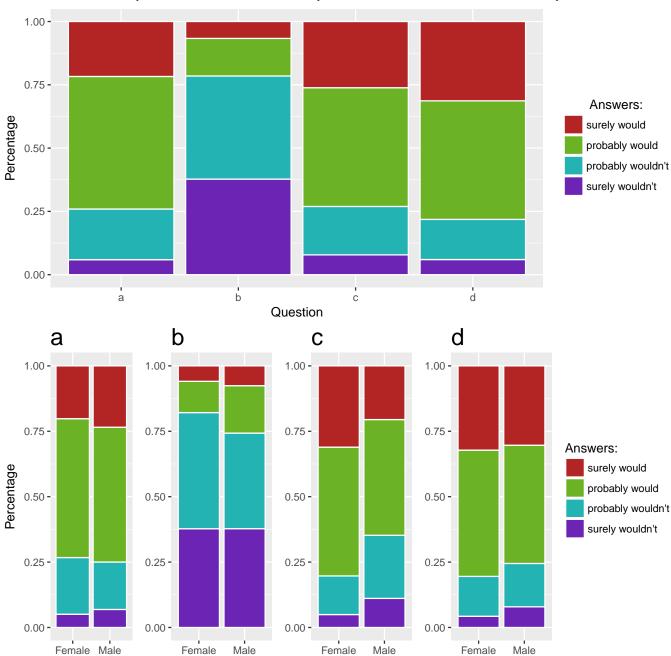


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### 26. Indonesia

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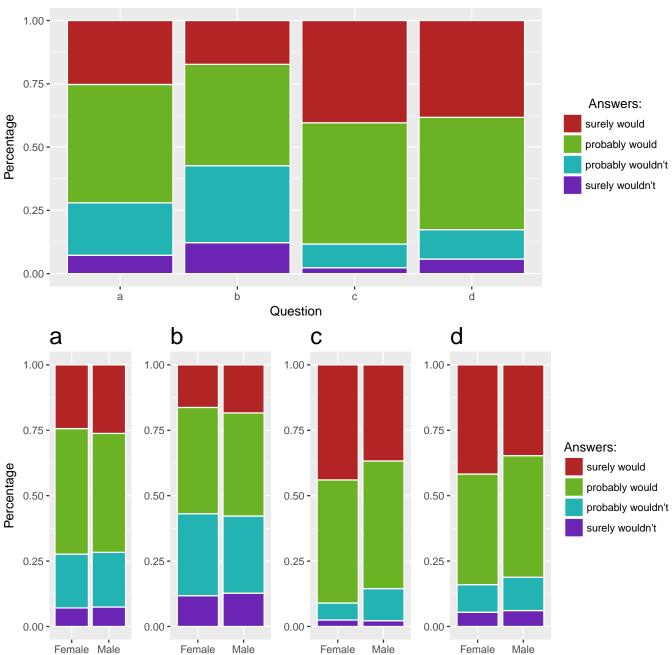
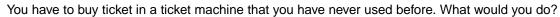


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### 27. Ireland

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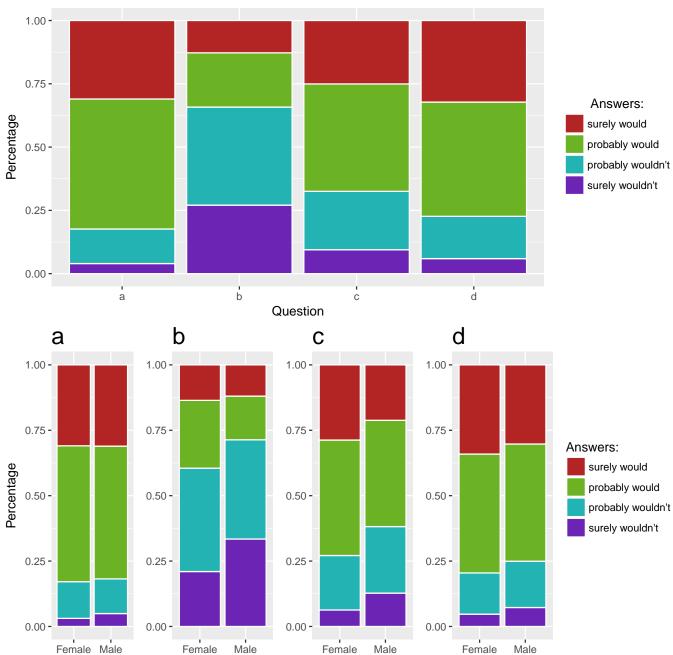
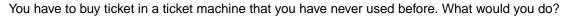


Table Grob (1 x 2) "arrange": 2 grobs z cells name grob 1 1 (1-1,1-1) arrange gtable [arrange] 2 2 (1-1,2-2) arrange gtable [guide-box]

### 28. Iceland

- a = I check how similar it is to other ticket machines I have used.
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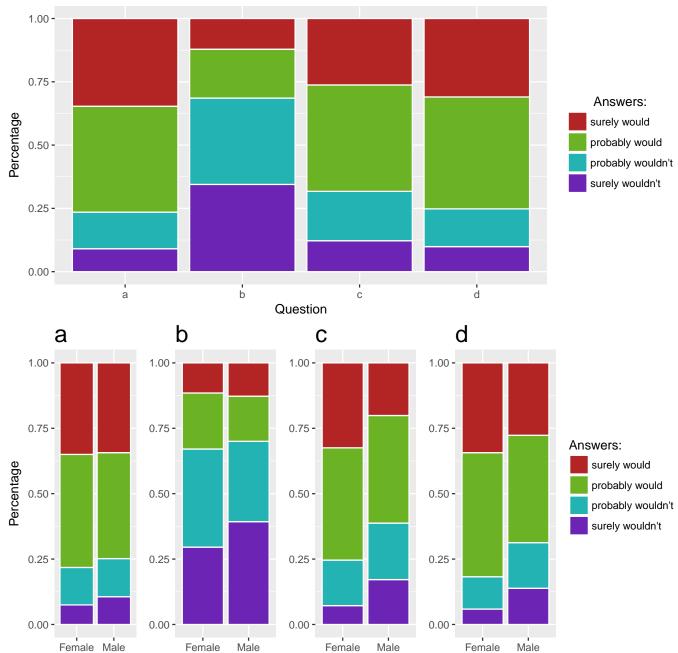
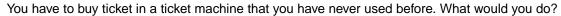


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### 29 . Israel

- a = I check how similar it is to other ticket machines I have used.
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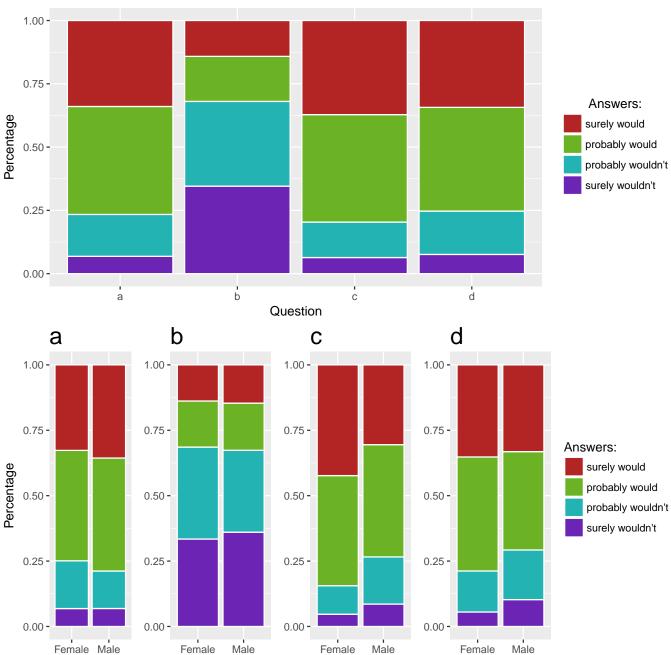
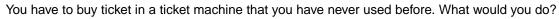


Table Grob (1 x 2) "arrange": 2 grobs z cells name grob 1 1 (1-1,1-1) arrange gtable [arrange] 2 2 (1-1,2-2) arrange gtable [guide-box]

## 30. Italy

- a = I check how similar it is to other ticket machines I have used.
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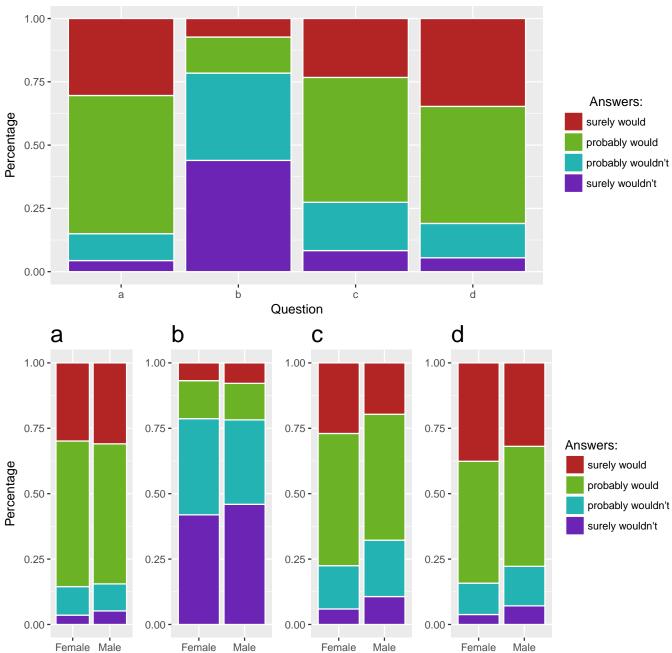


Table Grob (1 x 2) "arrange": 2 grobs z cells name grob 1 1 (1-1,1-1) arrange gtable [arrange] 2 2 (1-1,2-2) arrange gtable [guide-box]

### 31. Jordan

- a = I check how similar it is to other ticket machines I have used.
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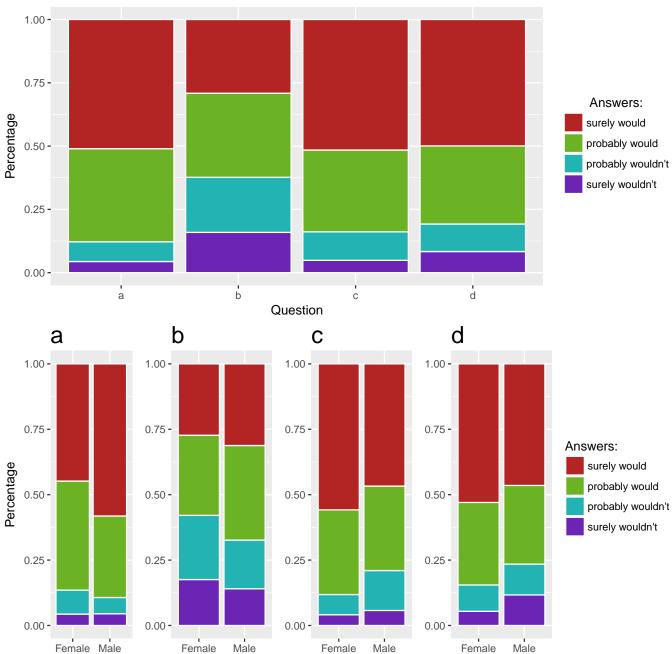
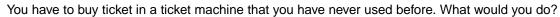


Table Grob (1 x 2) "arrange": 2 grobs z cells name grob 1 1 (1-1,1-1) arrange gtable [arrange] 2 2 (1-1,2-2) arrange gtable [guide-box]

# 32 . Japan

- a = I check how similar it is to other ticket machines I have used.
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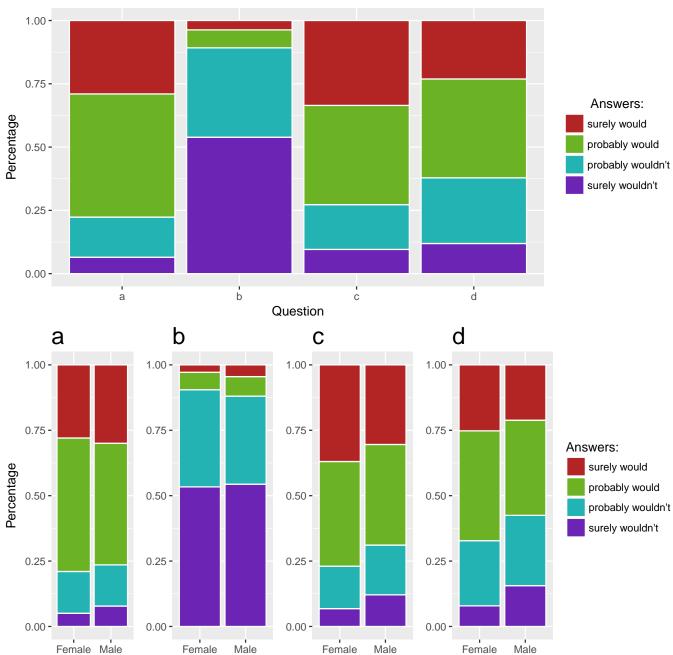
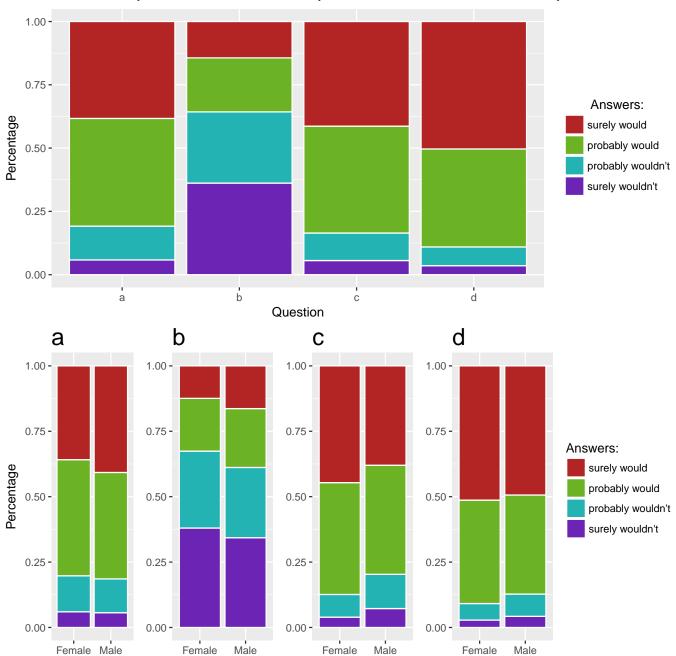


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### 33 . Kazakhstan

- a = I check how similar it is to other ticket machines I have used.
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#### 34. Korea

- a = I check how similar it is to other ticket machines I have used.
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- c = I ask someone for help.
- d = I try to find a ticket office at the station to buy a ticket.

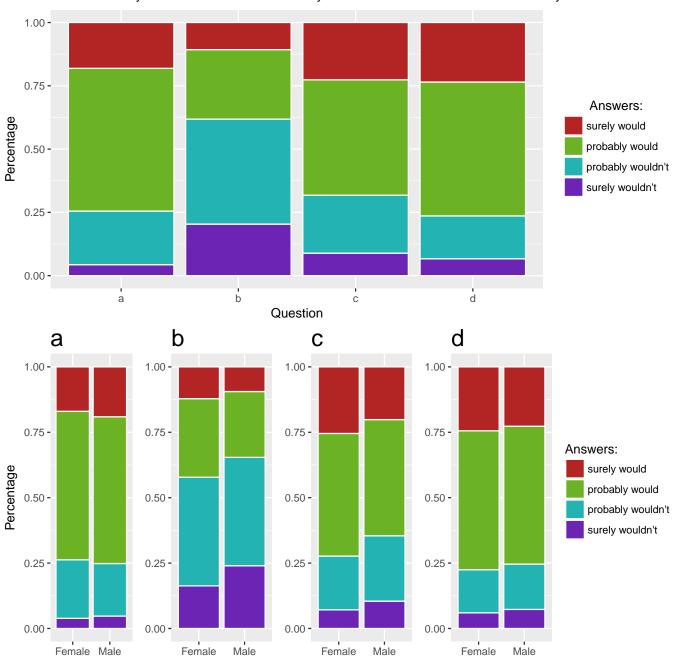


Table Grob (1 x 2) "arrange": 2 grobs z cells name grob 1 1 (1-1,1-1) arrange gtable [arrange] 2 2 (1-1,2-2) arrange gtable [guide-box]

### 35. Liechtenstein

- a = I check how similar it is to other ticket machines I have used.
- b = I try out all the buttons to see what happens.
- c = I ask someone for help.
- d = I try to find a ticket office at the station to buy a ticket.

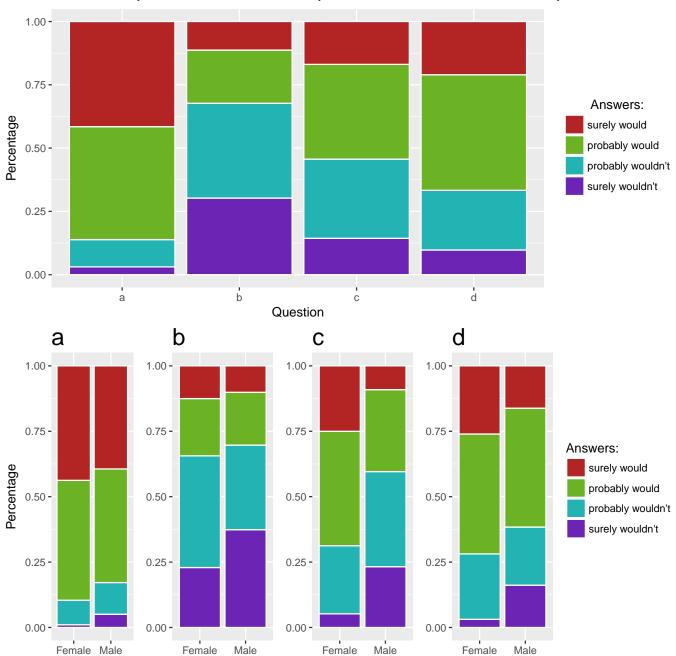


Table Grob (1 x 2) "arrange": 2 grobs z cells name grob 1 1 (1-1,1-1) arrange gtable [arrange] 2 2 (1-1,2-2) arrange gtable [guide-box]

### 36. Lithuania

- a = I check how similar it is to other ticket machines I have used.
- b = I try out all the buttons to see what happens.
- c = I ask someone for help.
- d = I try to find a ticket office at the station to buy a ticket.

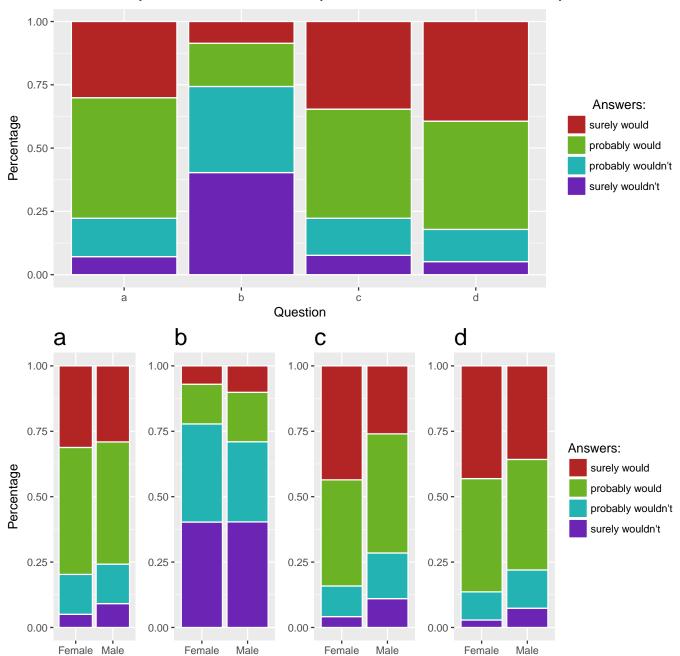


Table Grob (1 x 2) "arrange": 2 grobs z cells name grob 1 1 (1-1,1-1) arrange gtable [arrange] 2 2 (1-1,2-2) arrange gtable [guide-box]

# 37. Luxembourg

- a = I check how similar it is to other ticket machines I have used.
- b = I try out all the buttons to see what happens.
- c = I ask someone for help.
- d = I try to find a ticket office at the station to buy a ticket.

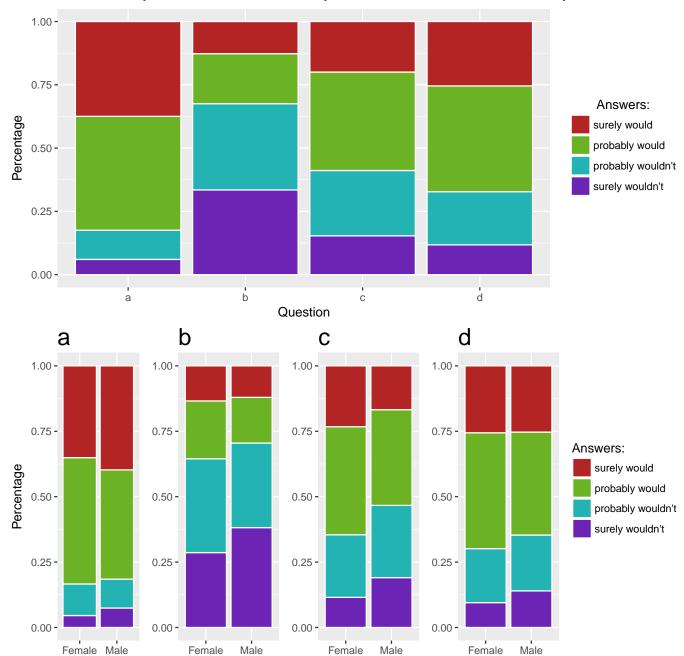
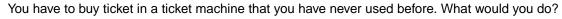


Table Grob (1 x 2) "arrange": 2 grobs z cells name grob 1 1 (1-1,1-1) arrange gtable [arrange] 2 2 (1-1,2-2) arrange gtable [guide-box]

### 38. Latvia

- a = I check how similar it is to other ticket machines I have used.
- b = I try out all the buttons to see what happens.
- c = I ask someone for help.
- d = I try to find a ticket office at the station to buy a ticket.



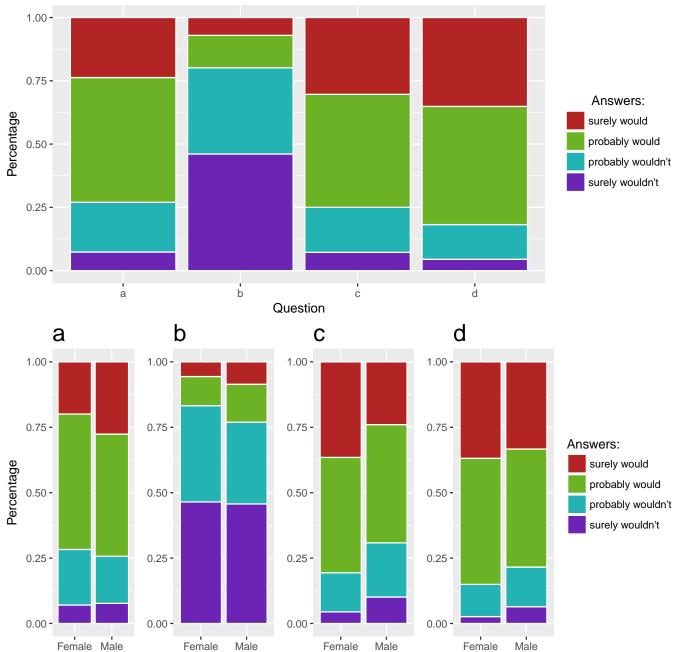
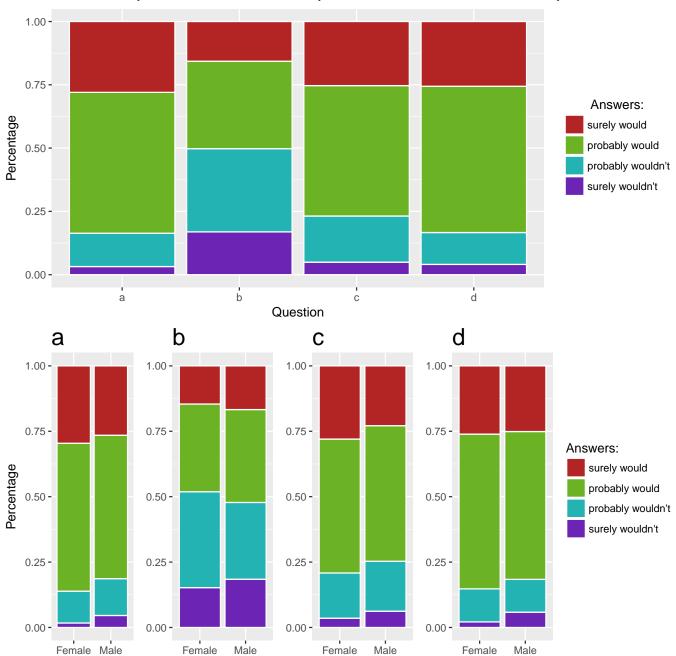


Table Grob (1 x 2) "arrange": 2 grobs z cells name grob 1 1 (1-1,1-1) arrange gtable [arrange] 2 2 (1-1,2-2) arrange gtable [guide-box]

### 39. Macao-China

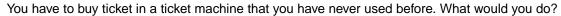
- a = I check how similar it is to other ticket machines I have used.
- b = I try out all the buttons to see what happens.
- c = I ask someone for help.
- d = I try to find a ticket office at the station to buy a ticket.



 $\label{lem:condition} \begin{tabular}{ll} TableGrob~(1~x~2)~"arrange":~2~grobs~z~cells~name~grob~1~1~(1-1,1-1)~arrange~gtable[arrange]~2~2~(1-1,2-2)~arrange~gtable[guide-box] \end{tabular}$ 

### 40. Mexico

- a = I check how similar it is to other ticket machines I have used.
- b = I try out all the buttons to see what happens.
- c = I ask someone for help.
- d = I try to find a ticket office at the station to buy a ticket.



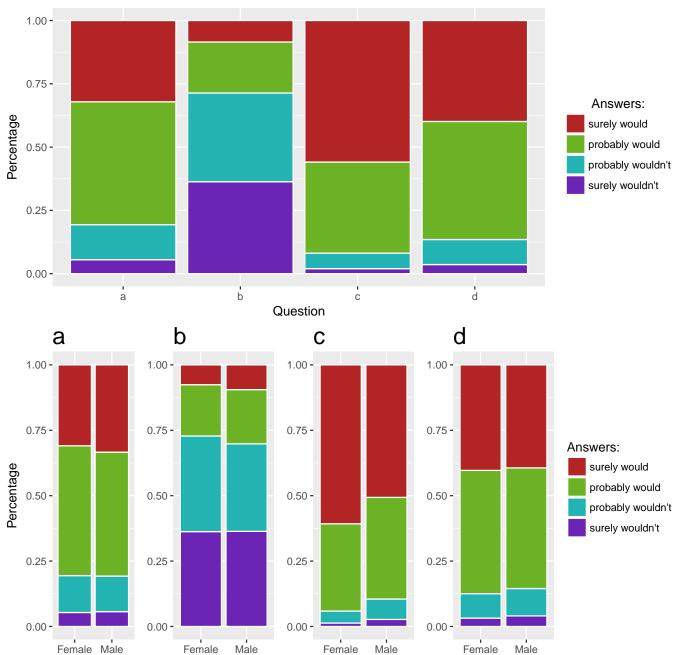
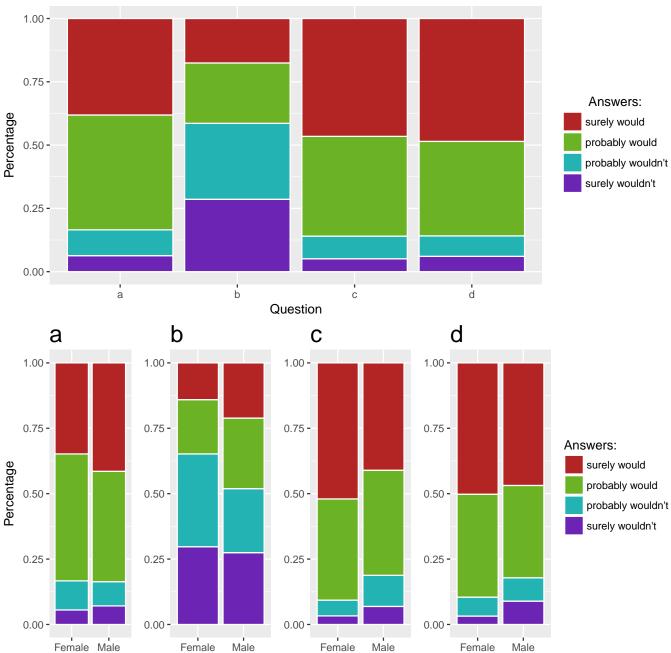


Table Grob (1 x 2) "arrange": 2 grobs z cells name grob 1 1 (1-1,1-1) arrange gtable [arrange] 2 2 (1-1,2-2) arrange gtable [guide-box]

### 41. Montenegro

- a = I check how similar it is to other ticket machines I have used.
- b = I try out all the buttons to see what happens.
- c = I ask someone for help.
- d = I try to find a ticket office at the station to buy a ticket.



 $\label{lem:condition} \begin{tabular}{ll} TableGrob~(1~x~2)~"arrange":~2~grobs~z~cells~name~grob~1~1~(1-1,1-1)~arrange~gtable[arrange]~2~2~(1-1,2-2)~arrange~gtable[guide-box] \end{tabular}$ 

### 42. Malaysia

- a = I check how similar it is to other ticket machines I have used.
- b = I try out all the buttons to see what happens.
- c = I ask someone for help.
- d = I try to find a ticket office at the station to buy a ticket.

You have to buy ticket in a ticket machine that you have never used before. What would you do? 1.00 -0.75 -Answers: Percentage surely would probably would 0.50 probably wouldn't surely wouldn't 0.25 0.00 C d a b Question d b a C

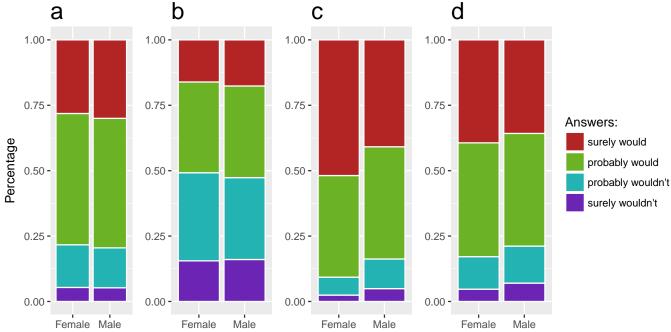
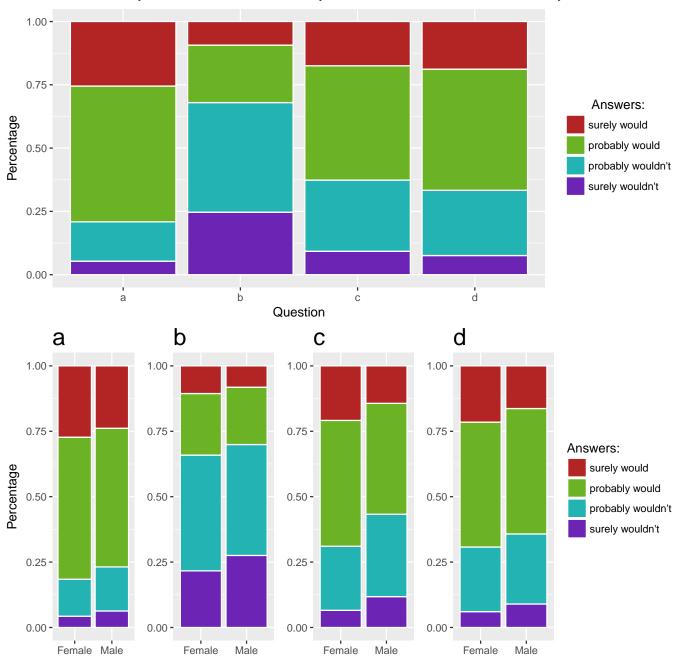


Table Grob (1 x 2) "arrange": 2 grobs z cells name grob 1 1 (1-1,1-1) arrange gtable [arrange] 2 2 (1-1,2-2) arrange gtable [guide-box]

### 43. Netherlands

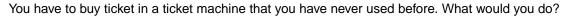
- a = I check how similar it is to other ticket machines I have used.
- b = I try out all the buttons to see what happens.
- c = I ask someone for help.
- d = I try to find a ticket office at the station to buy a ticket.



 $\label{lem:condition} \begin{tabular}{ll} TableGrob~(1~x~2)~"arrange":~2~grobs~z~cells~name~grob~1~1~(1-1,1-1)~arrange~gtable[arrange]~2~2~(1-1,2-2)~arrange~gtable[guide-box] \end{tabular}$ 

### 44. Norway

- a = I check how similar it is to other ticket machines I have used.
- b = I try out all the buttons to see what happens.
- c = I ask someone for help.
- d = I try to find a ticket office at the station to buy a ticket.



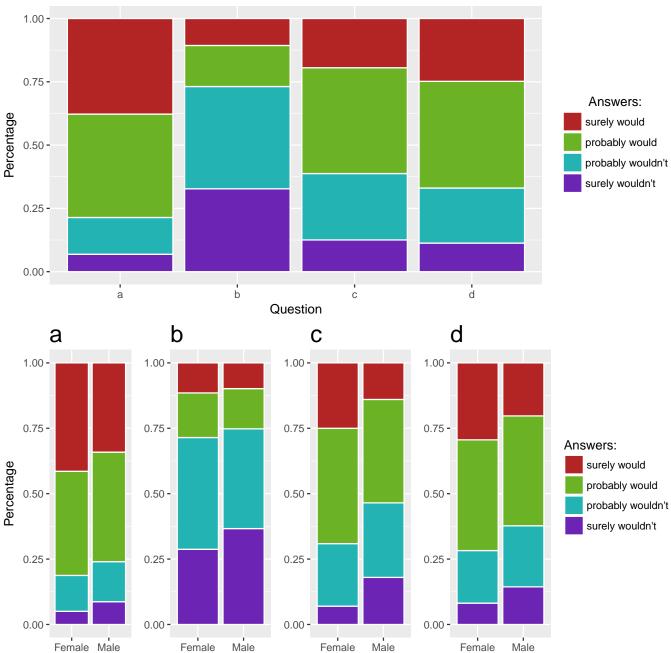
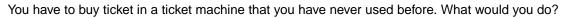
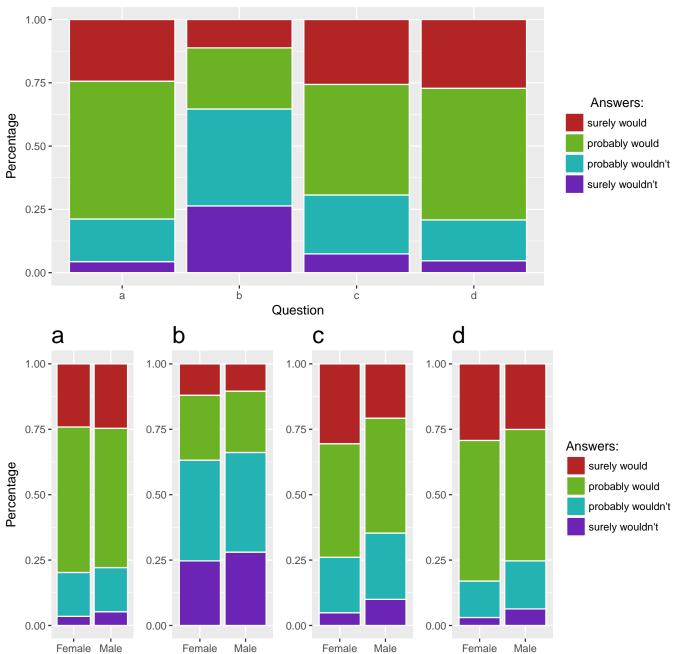


Table Grob (1 x 2) "arrange": 2 grobs z cells name grob 1 1 (1-1,1-1) arrange gtable [arrange] 2 2 (1-1,2-2) arrange gtable [guide-box]

#### 45. New Zealand

- a = I check how similar it is to other ticket machines I have used.
- b = I try out all the buttons to see what happens.
- c = I ask someone for help.
- d = I try to find a ticket office at the station to buy a ticket.

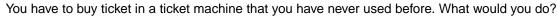




 $\label{lem:condition} \begin{tabular}{ll} TableGrob~(1~x~2)~"arrange":~2~grobs~z~cells~name~grob~1~1~(1-1,1-1)~arrange~gtable[arrange]~2~2~(1-1,2-2)~arrange~gtable[guide-box] \end{tabular}$ 

### 46 . Peru

- a = I check how similar it is to other ticket machines I have used.
- b = I try out all the buttons to see what happens.
- c = I ask someone for help.
- d = I try to find a ticket office at the station to buy a ticket.



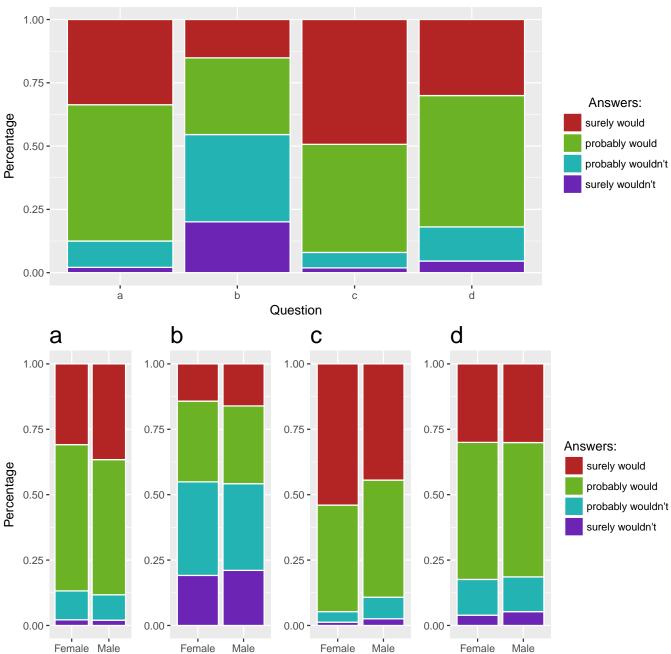


Table Grob (1 x 2) "arrange": 2 grobs z cells name grob 1 1 (1-1,1-1) arrange gtable [arrange] 2 2 (1-1,2-2) arrange gtable [guide-box]

### 47. Poland

- a = I check how similar it is to other ticket machines I have used.
- b = I try out all the buttons to see what happens.
- c = I ask someone for help.
- d = I try to find a ticket office at the station to buy a ticket.

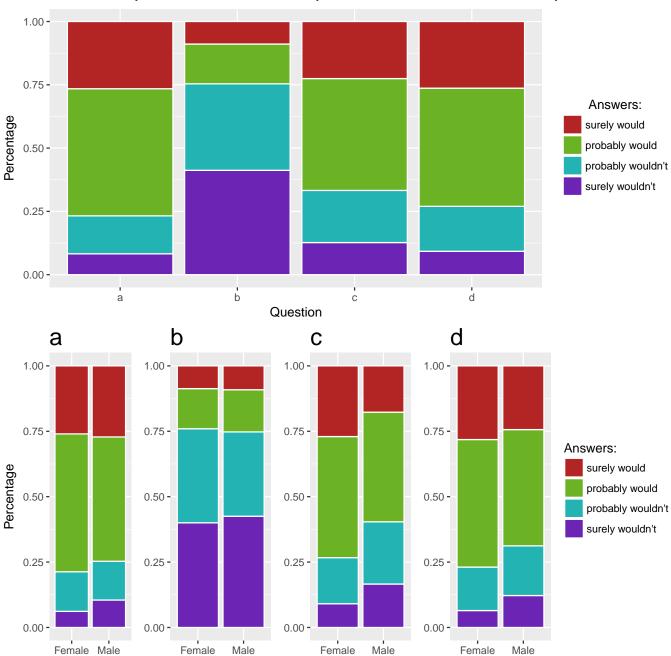
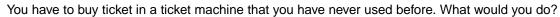


Table Grob (1 x 2) "arrange": 2 grobs z cells name grob 1 1 (1-1,1-1) arrange gtable [arrange] 2 2 (1-1,2-2) arrange gtable [guide-box]

### 48 . Portugal

- a = I check how similar it is to other ticket machines I have used.
- b = I try out all the buttons to see what happens.
- c = I ask someone for help.
- d = I try to find a ticket office at the station to buy a ticket.



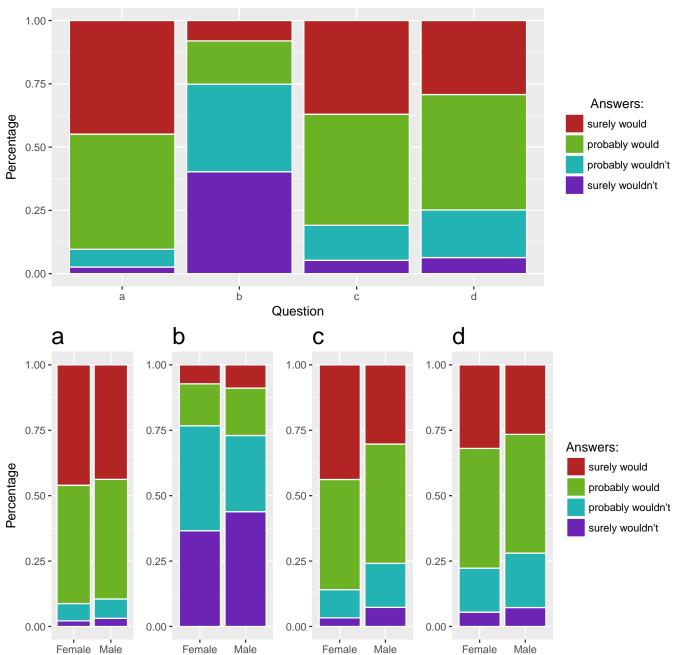
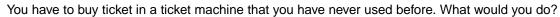
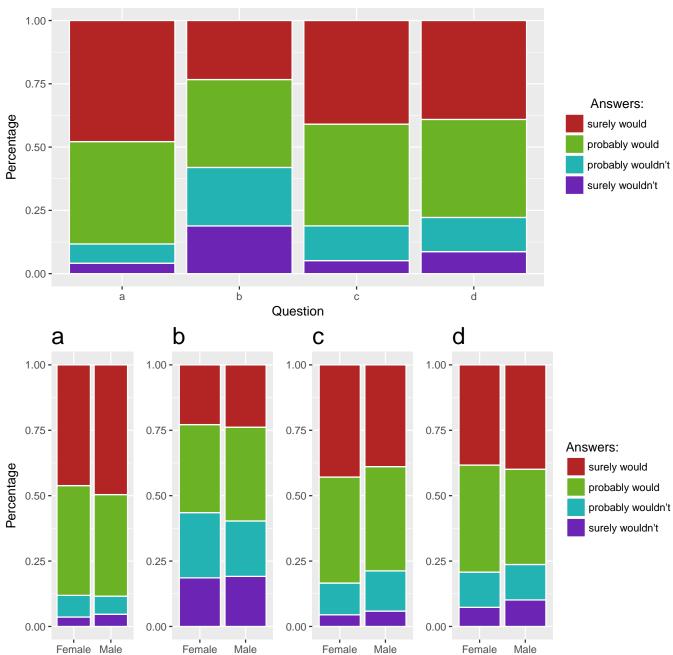


Table Grob (1 x 2) "arrange": 2 grobs z cells name grob 1 1 (1-1,1-1) arrange gtable [arrange] 2 2 (1-1,2-2) arrange gtable [guide-box]

## 49 . Qatar

- a = I check how similar it is to other ticket machines I have used.
- b = I try out all the buttons to see what happens.
- c = I ask someone for help.
- d = I try to find a ticket office at the station to buy a ticket.

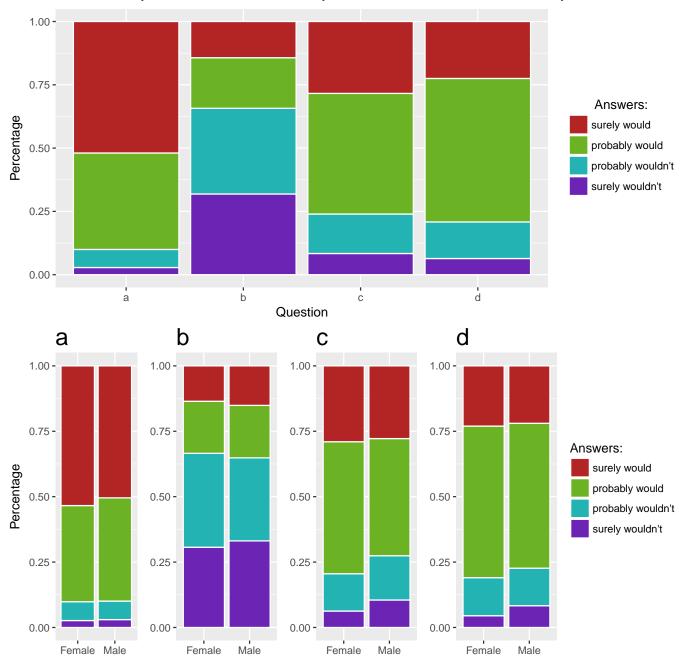




 $\label{lem:condition} \begin{tabular}{ll} TableGrob~(1~x~2)~"arrange":~2~grobs~z~cells~name~grob~1~1~(1-1,1-1)~arrange~gtable[arrange]~2~2~(1-1,2-2)~arrange~gtable[guide-box] \end{tabular}$ 

### 50. China-Shanghai

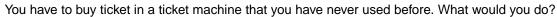
- a = I check how similar it is to other ticket machines I have used.
- b = I try out all the buttons to see what happens.
- c = I ask someone for help.
- d = I try to find a ticket office at the station to buy a ticket.

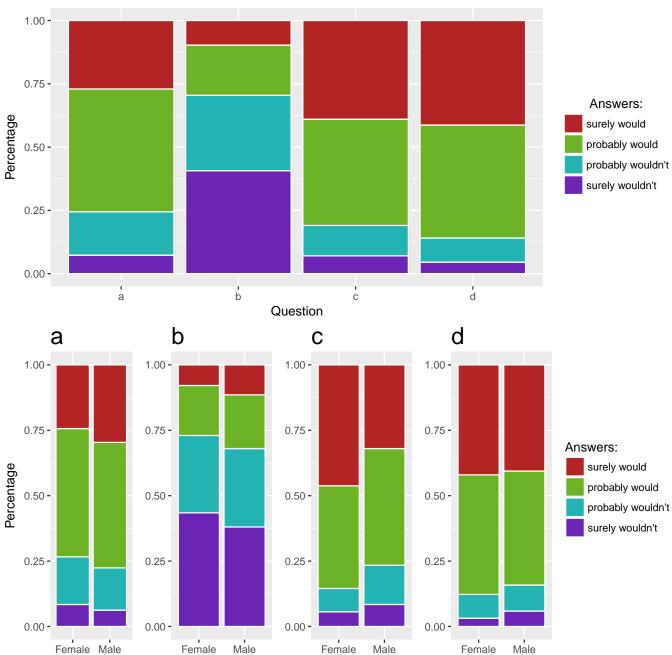


 $\label{lem:condition} \begin{tabular}{ll} TableGrob~(1~x~2)~"arrange":~2~grobs~z~cells~name~grob~1~1~(1-1,1-1)~arrange~gtable[arrange]~2~2~(1-1,2-2)~arrange~gtable[guide-box] \end{tabular}$ 

### 51 . Perm(Russian Federation)

- a = I check how similar it is to other ticket machines I have used.
- b = I try out all the buttons to see what happens.
- c = I ask someone for help.
- d = I try to find a ticket office at the station to buy a ticket.





 $\label{lem:condition} \begin{tabular}{ll} TableGrob~(1~x~2)~"arrange":~2~grobs~z~cells~name~grob~1~1~(1-1,1-1)~arrange~gtable[arrange]~2~2~(1-1,2-2)~arrange~gtable[guide-box] \end{tabular}$ 

### 52. Romania

- a = I check how similar it is to other ticket machines I have used.
- b = I try out all the buttons to see what happens.
- c = I ask someone for help.
- d = I try to find a ticket office at the station to buy a ticket.

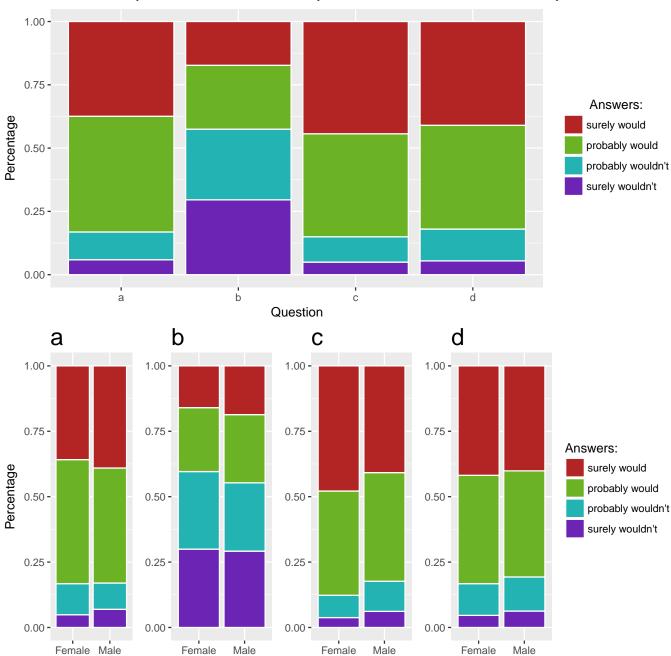
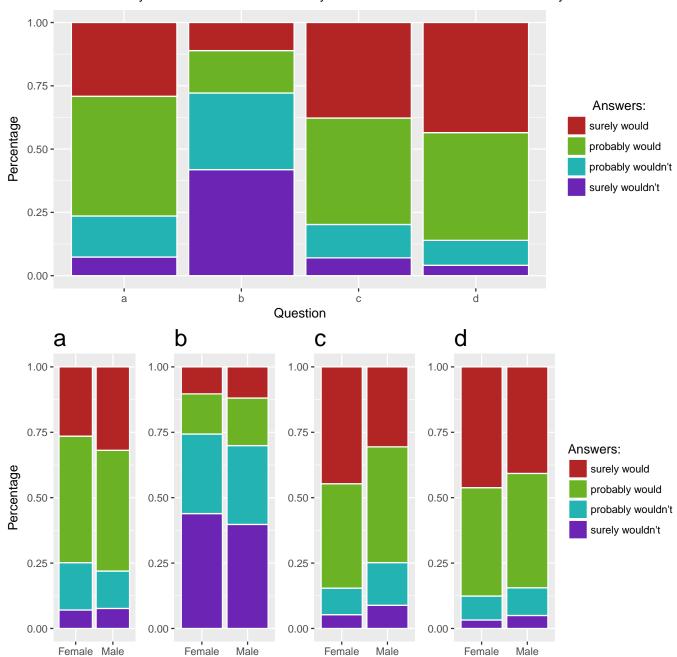


Table Grob (1 x 2) "arrange": 2 grobs z cells name grob 1 1 (1-1,1-1) arrange gtable [arrange] 2 2 (1-1,2-2) arrange gtable [guide-box]

### 53 . Russian Federation

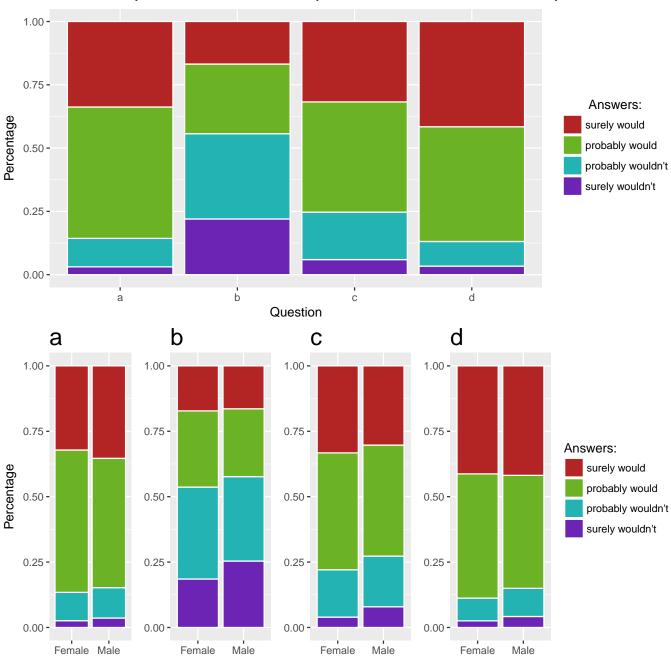
- a = I check how similar it is to other ticket machines I have used.
- b = I try out all the buttons to see what happens.
- c = I ask someone for help.
- d = I try to find a ticket office at the station to buy a ticket.



 $\label{lem:condition} \begin{tabular}{ll} TableGrob~(1~x~2)~"arrange":~2~grobs~z~cells~name~grob~1~1~(1-1,1-1)~arrange~gtable[arrange]~2~2~(1-1,2-2)~arrange~gtable[guide-box] \end{tabular}$ 

## 54. Singapore

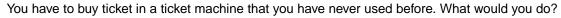
- a = I check how similar it is to other ticket machines I have used.
- b = I try out all the buttons to see what happens.
- c = I ask someone for help.
- d = I try to find a ticket office at the station to buy a ticket.



 $\label{lem:condition} \begin{tabular}{ll} TableGrob~(1~x~2)~"arrange":~2~grobs~z~cells~name~grob~1~1~(1-1,1-1)~arrange~gtable[arrange]~2~2~(1-1,2-2)~arrange~gtable[guide-box] \end{tabular}$ 

### 55 . Serbia

- a = I check how similar it is to other ticket machines I have used.
- b = I try out all the buttons to see what happens.
- c = I ask someone for help.
- d = I try to find a ticket office at the station to buy a ticket.



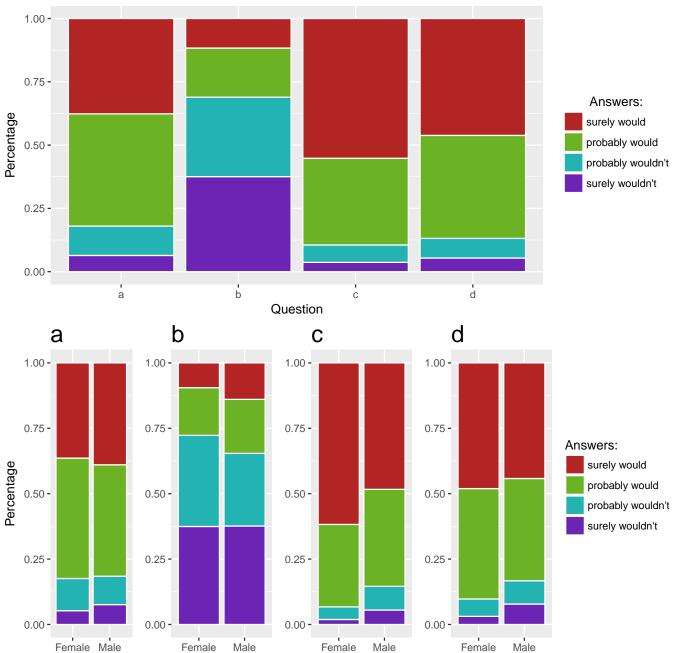


Table Grob (1 x 2) "arrange": 2 grobs z cells name grob 1 1 (1-1,1-1) arrange gtable [arrange] 2 2 (1-1,2-2) arrange gtable [guide-box]

### 56 . Slovak Republic

- a = I check how similar it is to other ticket machines I have used.
- b = I try out all the buttons to see what happens.
- c = I ask someone for help.
- d = I try to find a ticket office at the station to buy a ticket.

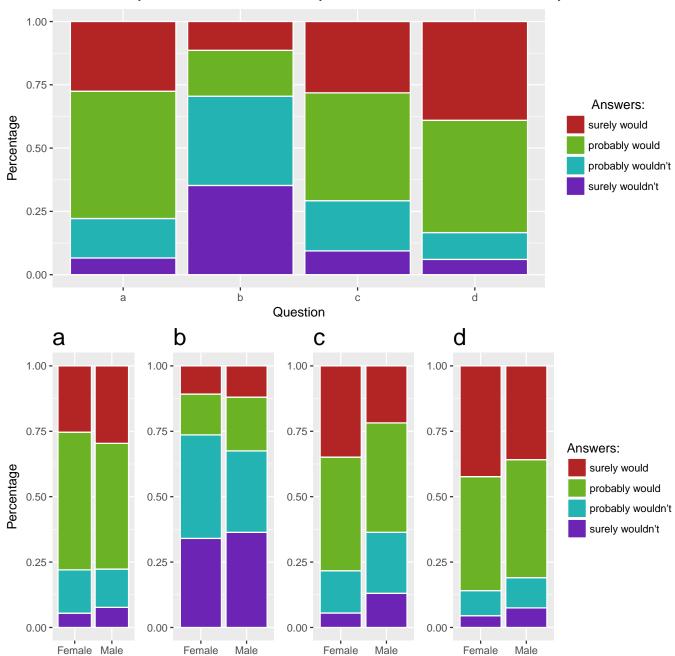
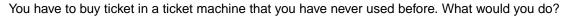


Table Grob (1 x 2) "arrange": 2 grobs z cells name grob 1 1 (1-1,1-1) arrange gtable [arrange] 2 2 (1-1,2-2) arrange gtable [guide-box]

### 57. Slovenia

- a = I check how similar it is to other ticket machines I have used.
- b = I try out all the buttons to see what happens.
- c = I ask someone for help.
- d = I try to find a ticket office at the station to buy a ticket.



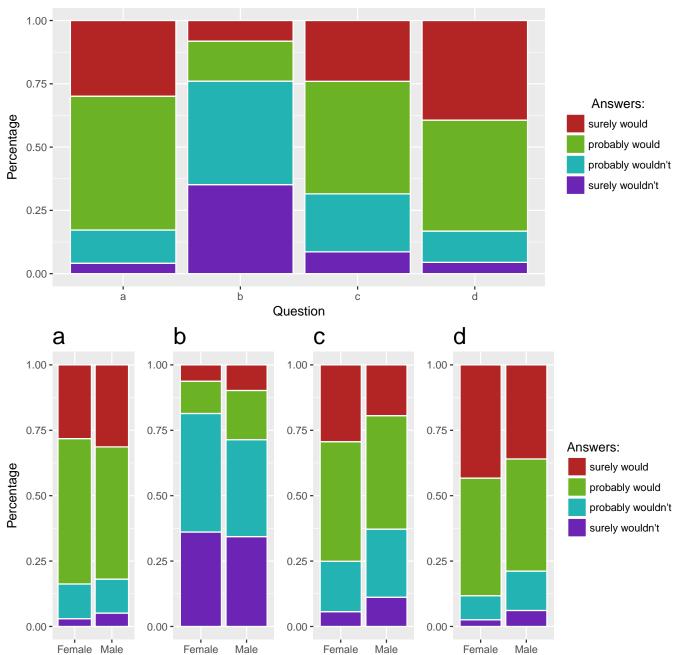


Table Grob (1 x 2) "arrange": 2 grobs z cells name grob 1 1 (1-1,1-1) arrange gtable [arrange] 2 2 (1-1,2-2) arrange gtable [guide-box]

### 58 . Sweden

- a = I check how similar it is to other ticket machines I have used.
- b = I try out all the buttons to see what happens.
- c = I ask someone for help.
- d = I try to find a ticket office at the station to buy a ticket.

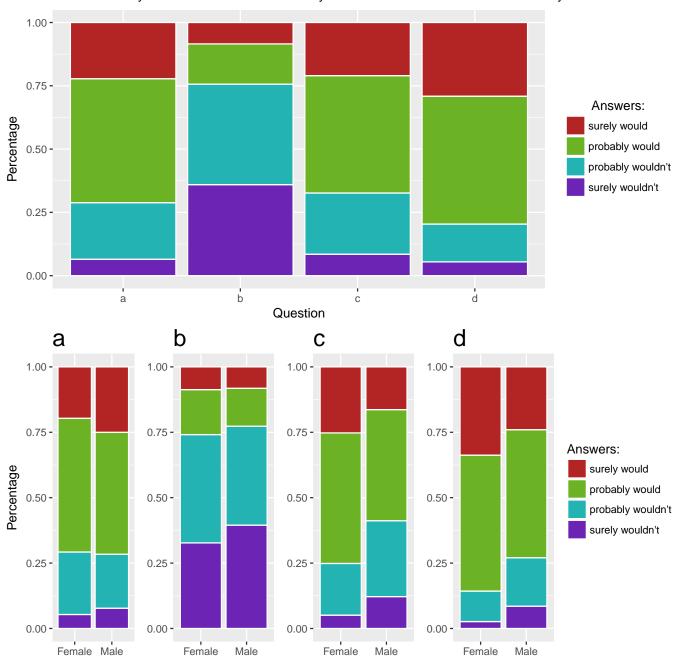
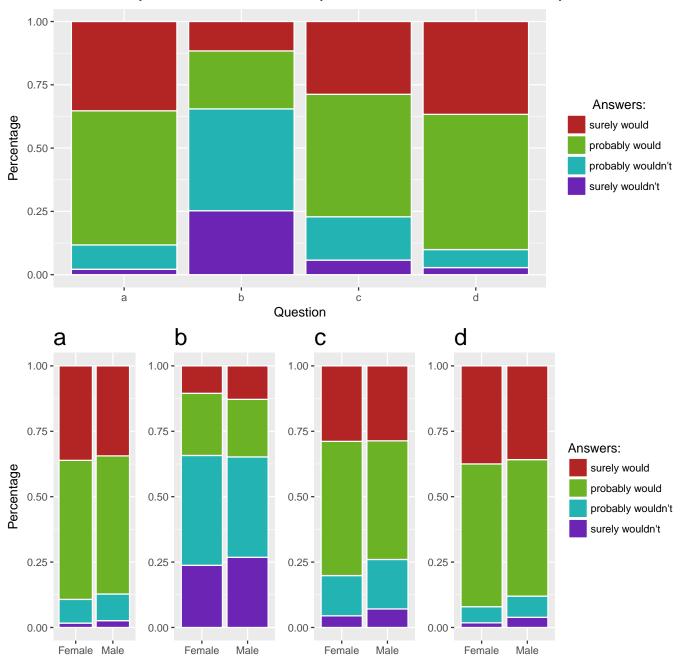


Table Grob (1 x 2) "arrange": 2 grobs z cells name grob 1 1 (1-1,1-1) arrange gtable [arrange] 2 2 (1-1,2-2) arrange gtable [guide-box]

## 59. Chinese Taipei

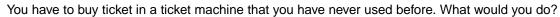
- a = I check how similar it is to other ticket machines I have used.
- b = I try out all the buttons to see what happens.
- c = I ask someone for help.
- d = I try to find a ticket office at the station to buy a ticket.



 $\label{lem:condition} \begin{tabular}{ll} TableGrob~(1~x~2)~"arrange":~2~grobs~z~cells~name~grob~1~1~(1-1,1-1)~arrange~gtable[arrange]~2~2~(1-1,2-2)~arrange~gtable[guide-box] \end{tabular}$ 

### 60. Thailand

- a = I check how similar it is to other ticket machines I have used.
- b = I try out all the buttons to see what happens.
- c = I ask someone for help.
- d = I try to find a ticket office at the station to buy a ticket.



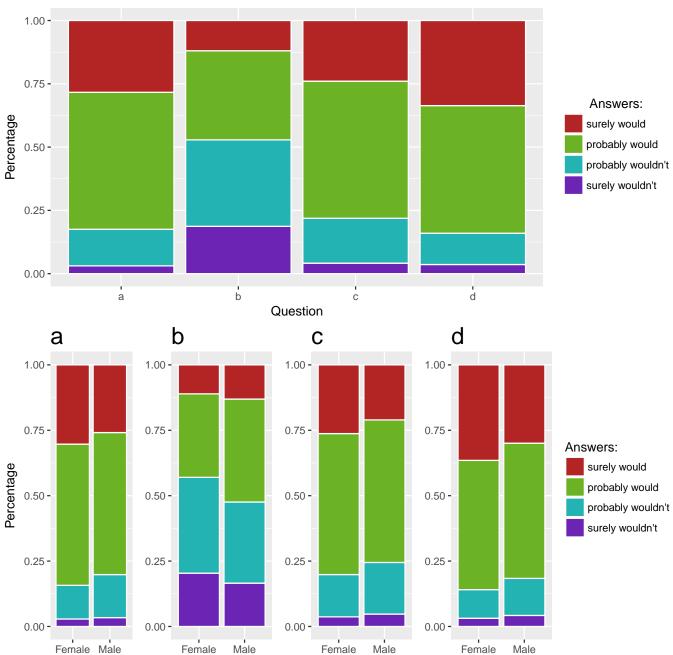


Table Grob (1 x 2) "arrange": 2 grobs z cells name grob 1 1 (1-1,1-1) arrange gtable [arrange] 2 2 (1-1,2-2) arrange gtable [guide-box]

### 61. Tunisia

- a = I check how similar it is to other ticket machines I have used.
- b = I try out all the buttons to see what happens.
- c = I ask someone for help.
- d = I try to find a ticket office at the station to buy a ticket.

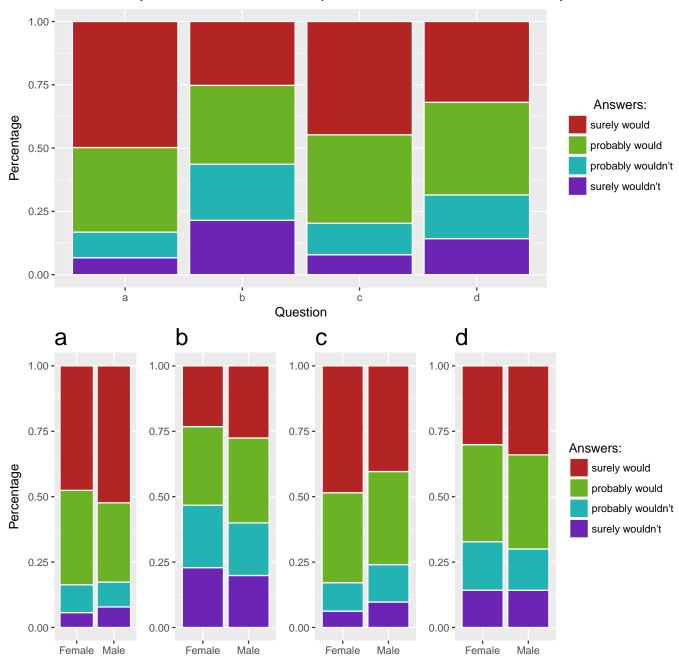


Table Grob (1 x 2) "arrange": 2 grobs z cells name grob 1 1 (1-1,1-1) arrange gtable [arrange] 2 2 (1-1,2-2) arrange gtable [guide-box]

# 62 . Turkey

- a = I check how similar it is to other ticket machines I have used.
- b = I try out all the buttons to see what happens.
- c = I ask someone for help.
- d = I try to find a ticket office at the station to buy a ticket.

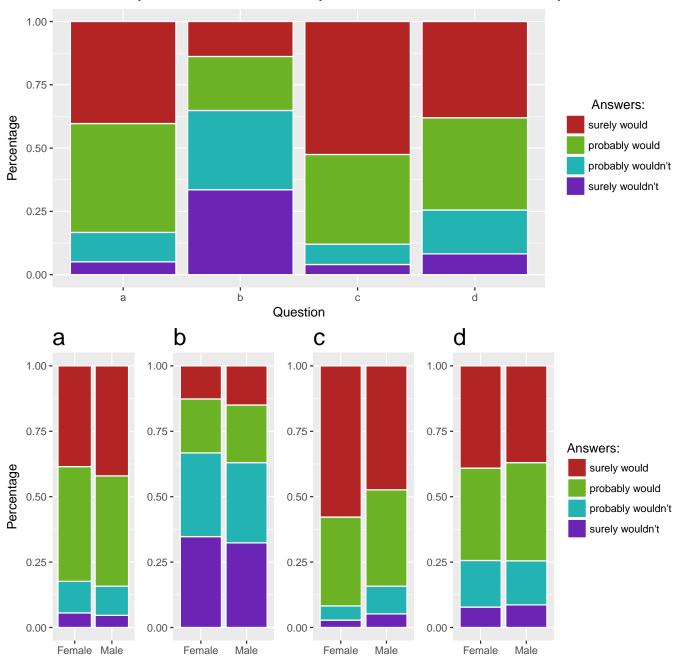


Table Grob (1 x 2) "arrange": 2 grobs z cells name grob 1 1 (1-1,1-1) arrange gtable [arrange] 2 2 (1-1,2-2) arrange gtable [guide-box]

## 63. Uruguay

- a = I check how similar it is to other ticket machines I have used.
- b = I try out all the buttons to see what happens.
- c = I ask someone for help.
- d = I try to find a ticket office at the station to buy a ticket.

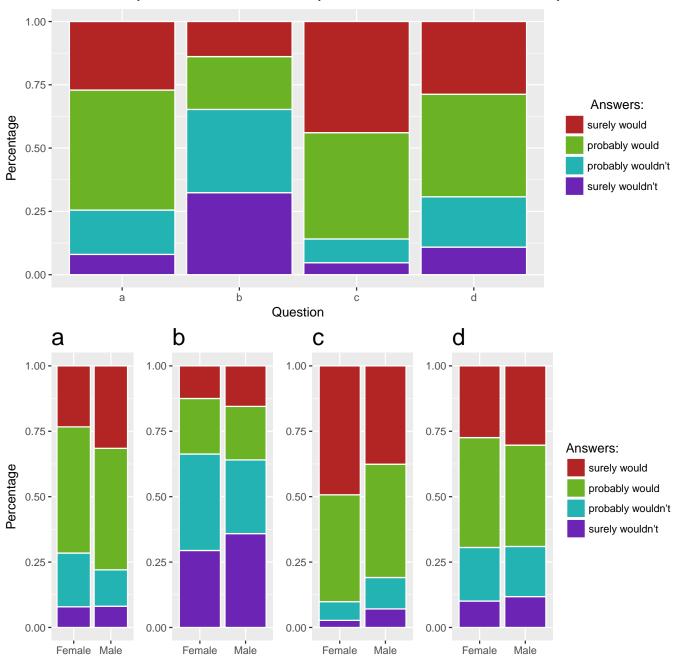
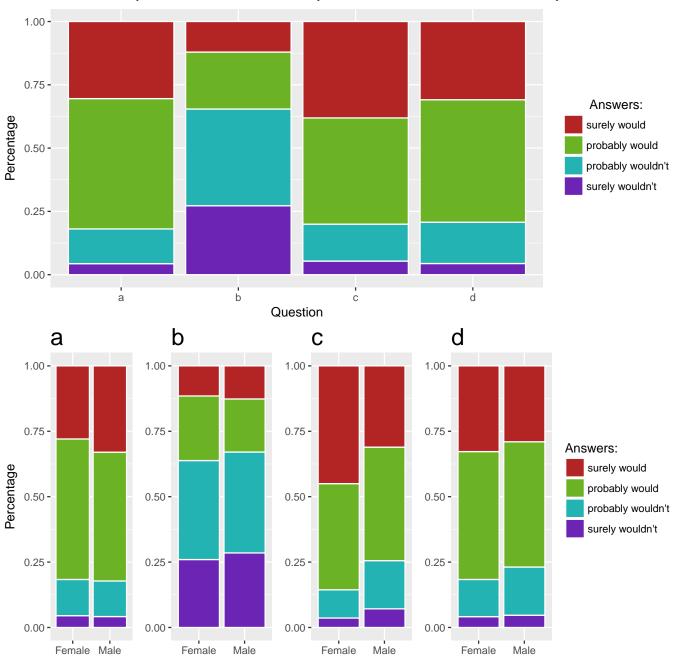


Table Grob (1 x 2) "arrange": 2 grobs z cells name grob 1 1 (1-1,1-1) arrange gtable [arrange] 2 2 (1-1,2-2) arrange gtable [guide-box]

### 64. United States of America

- a = I check how similar it is to other ticket machines I have used.
- b = I try out all the buttons to see what happens.
- c = I ask someone for help.
- d = I try to find a ticket office at the station to buy a ticket.



 $\label{lem:condition} \begin{tabular}{ll} TableGrob~(1~x~2)~"arrange":~2~grobs~z~cells~name~grob~1~1~(1-1,1-1)~arrange~gtable[arrange]~2~2~(1-1,2-2)~arrange~gtable[guide-box] \end{tabular}$ 

### 65. Vietnam

- a = I check how similar it is to other ticket machines I have used.
- b = I try out all the buttons to see what happens.
- c = I ask someone for help.
- d = I try to find a ticket office at the station to buy a ticket.

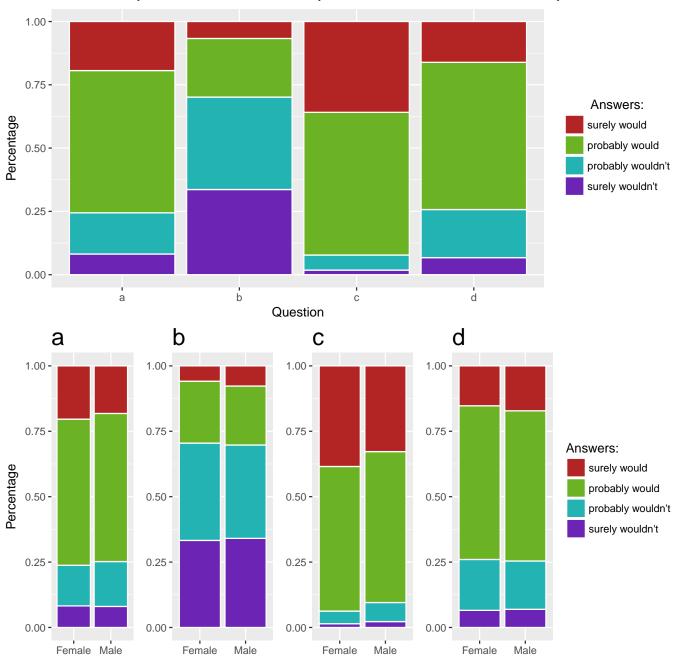


Table Grob (1 x 2) "arrange": 2 grobs z cells name grob 1 1 (1-1,1-1) arrange gtable [arrange] 2 2 (1-1,2-2) arrange gtable [guide-box]