



ICCECIP 2023

The impact of COVID-19 on adoption of self-driving cars

Péter Szikora PhD

Associate Professor

Óbuda University, Hungary

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ASIMOV LAWS - ROBOTS

0 - A robot may not harm humanity, or, by inaction, allow humanity to come to harm.

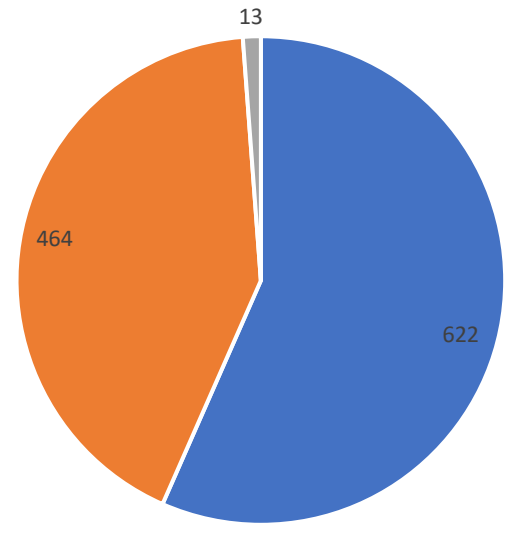
1 - A robot may not injure a human being or, through inaction, allow a human being to come to harm.

2 - A robot must obey the orders given it by human beings except where such orders would conflict with the First Law.

3 - A robot must protect its own existence as long as such protection does not conflict with the First or Second Law.

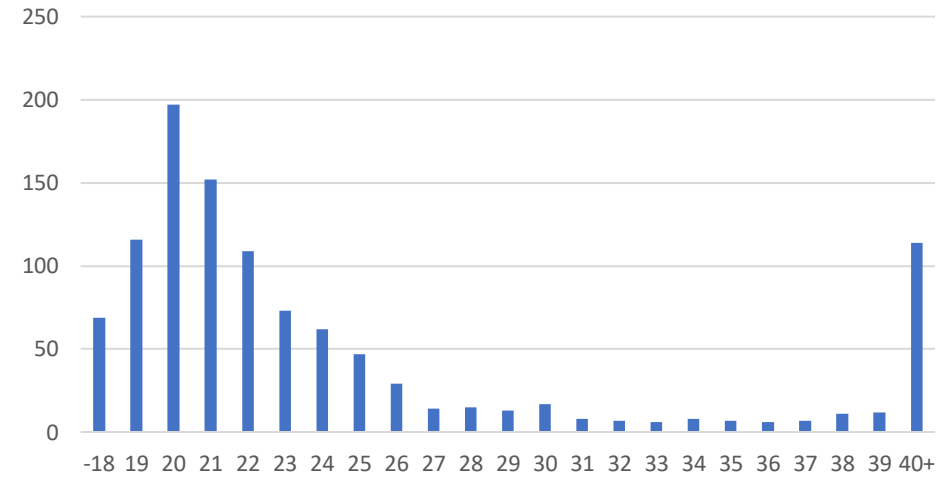


Genders

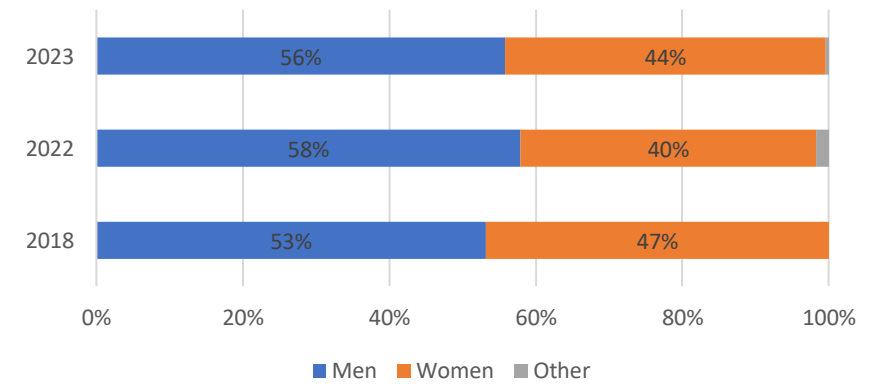


■ Men ■ Women ■ Other

Ages



Genders



■ Men ■ Women ■ Other



Self-driving cars levels

0 - The driver is in full control

1 - The driver is in control, the car is either parking or heeding the speed limit on its own

2 - The car can take control of the pedals and the steering wheel at the same time, but the driver keeps an eye on it and intervenes if necessary

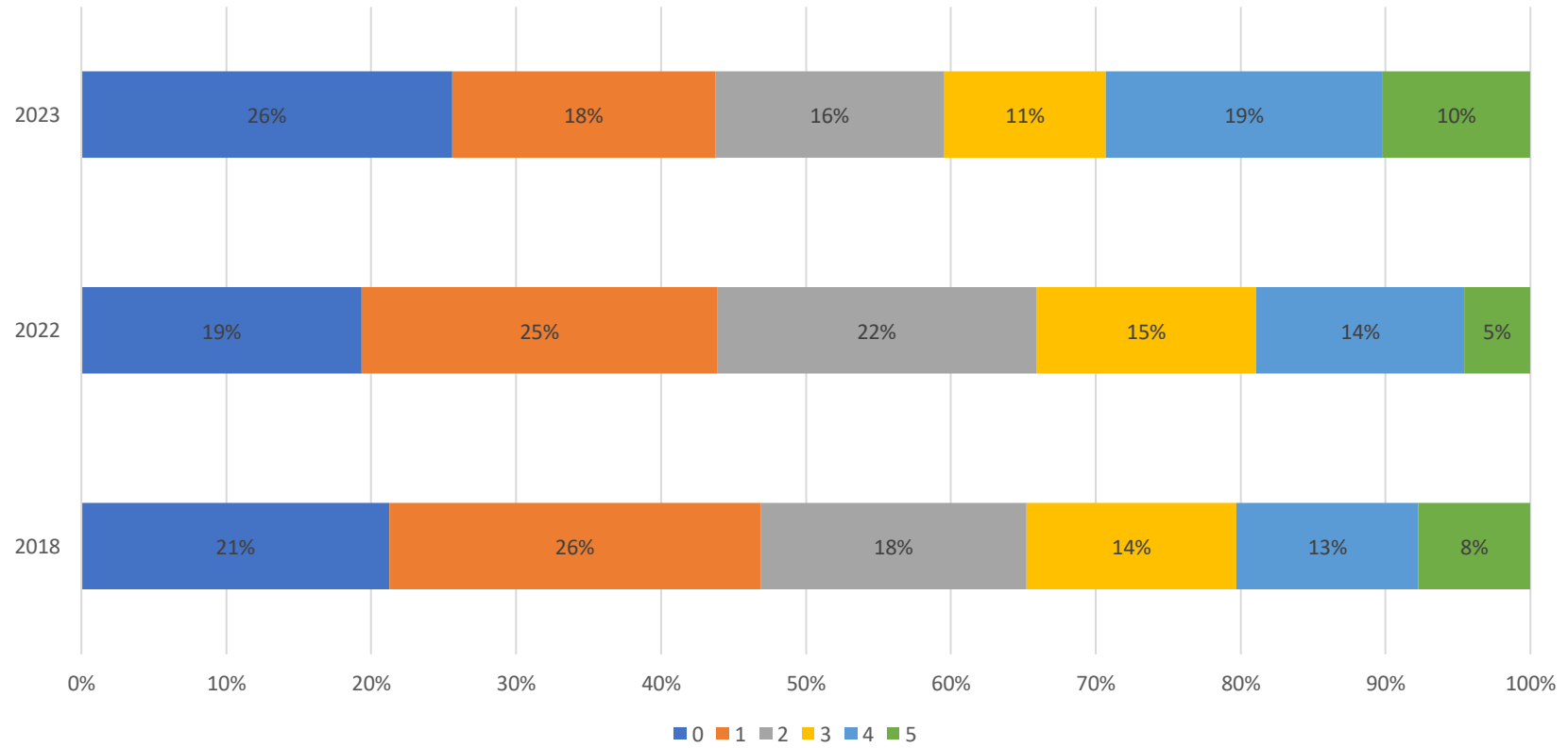
3 - The car can change lanes and react to the environment. The task of the driver is to pay attention; take back control.

4 - The car is in control, but can ask for human help

5 - The car is in full control

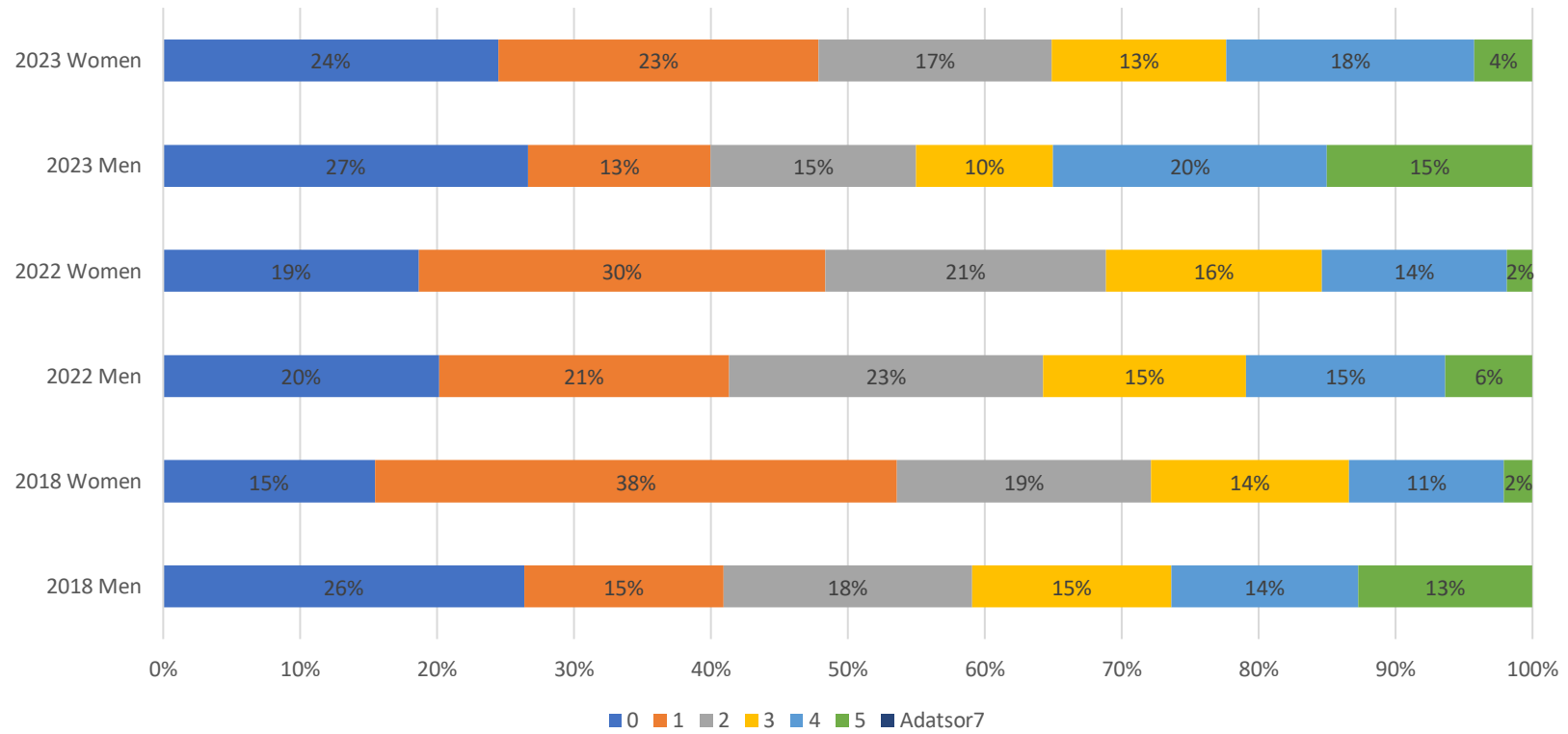


Self-driving cars levels



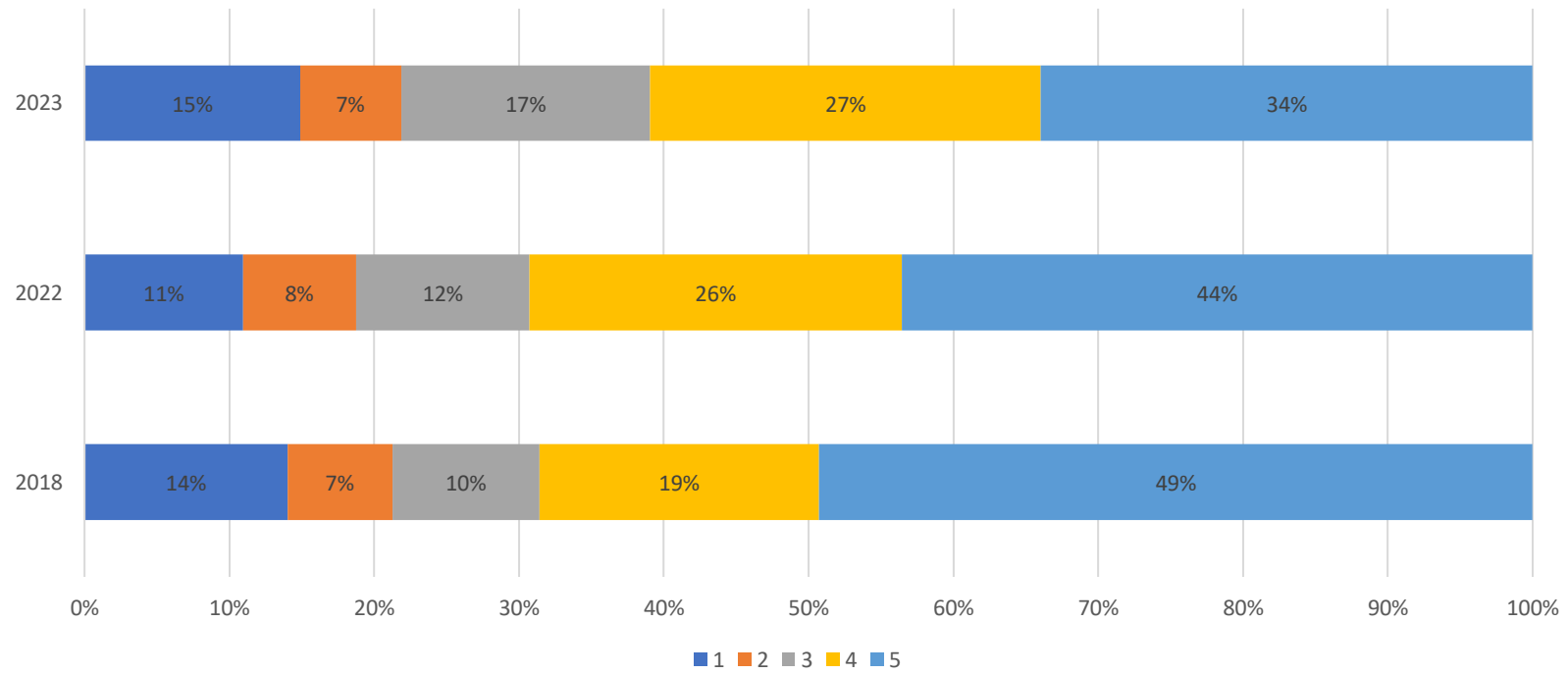


Self-driving cars levels - genders



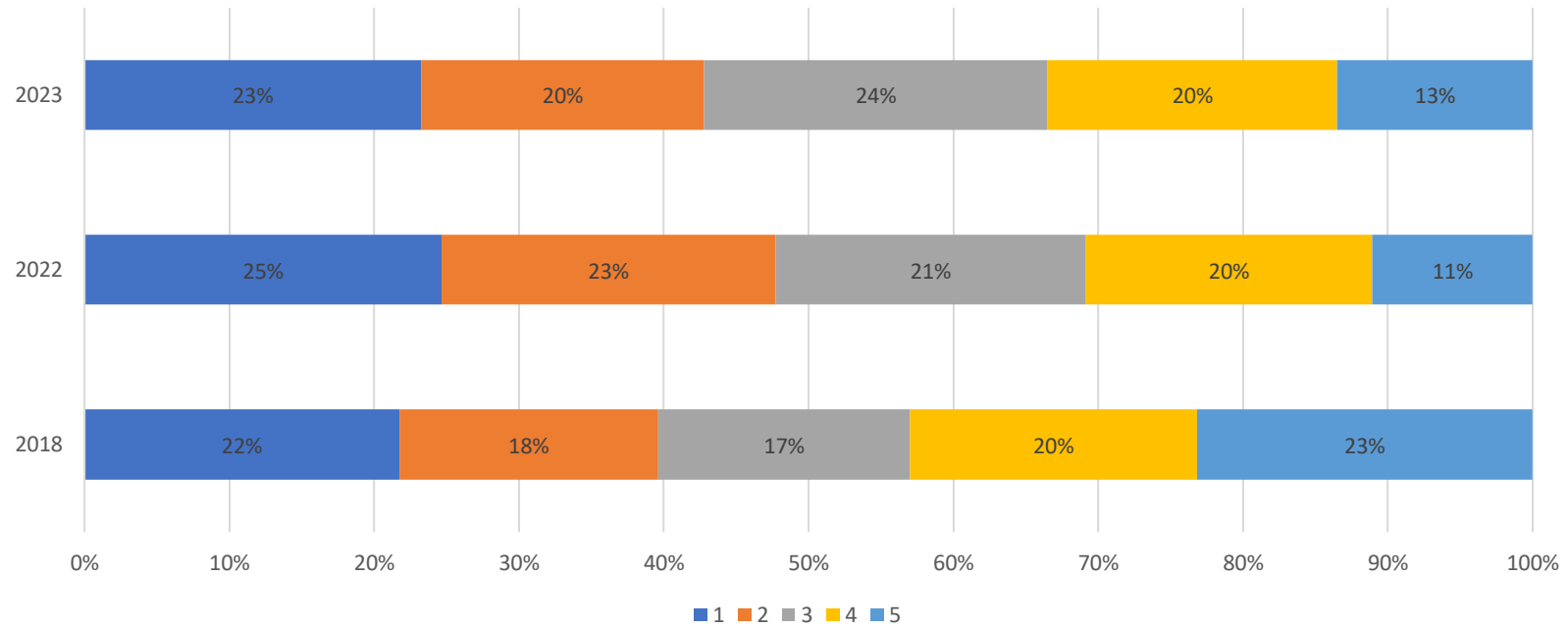


I would love to try a self-driving car



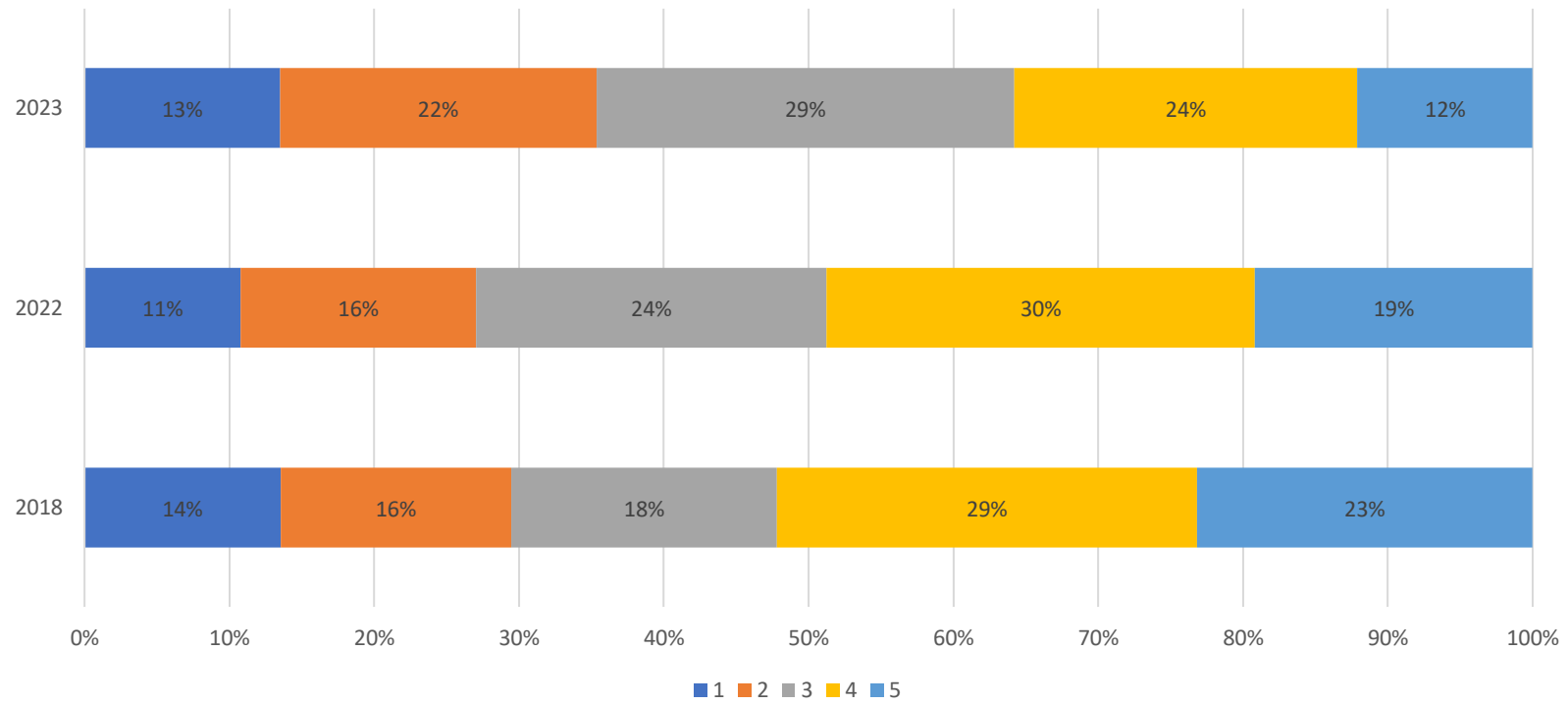


I would be afraid of self-driving cars in my environment



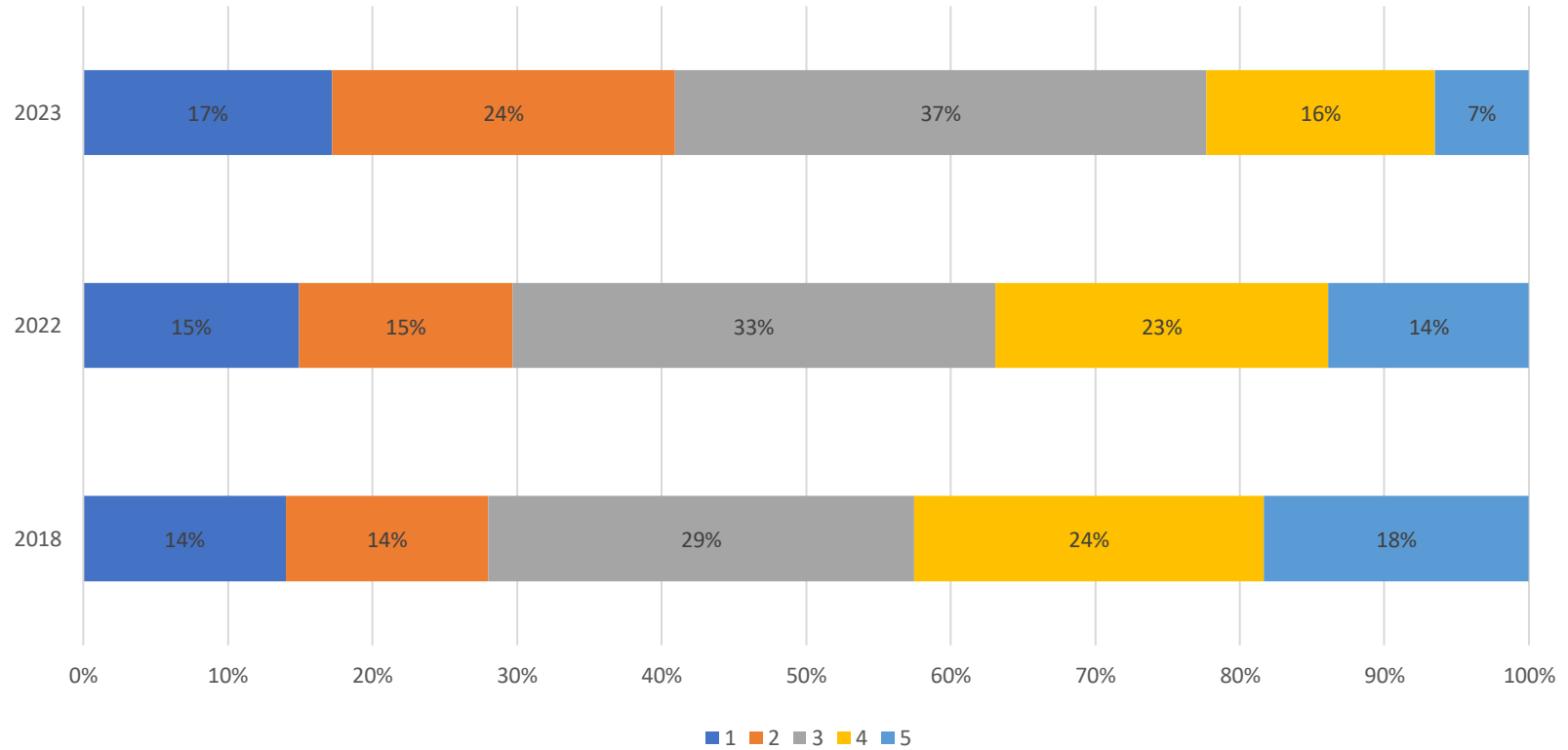


Self-driving cars will reduce the occurrence of accidents



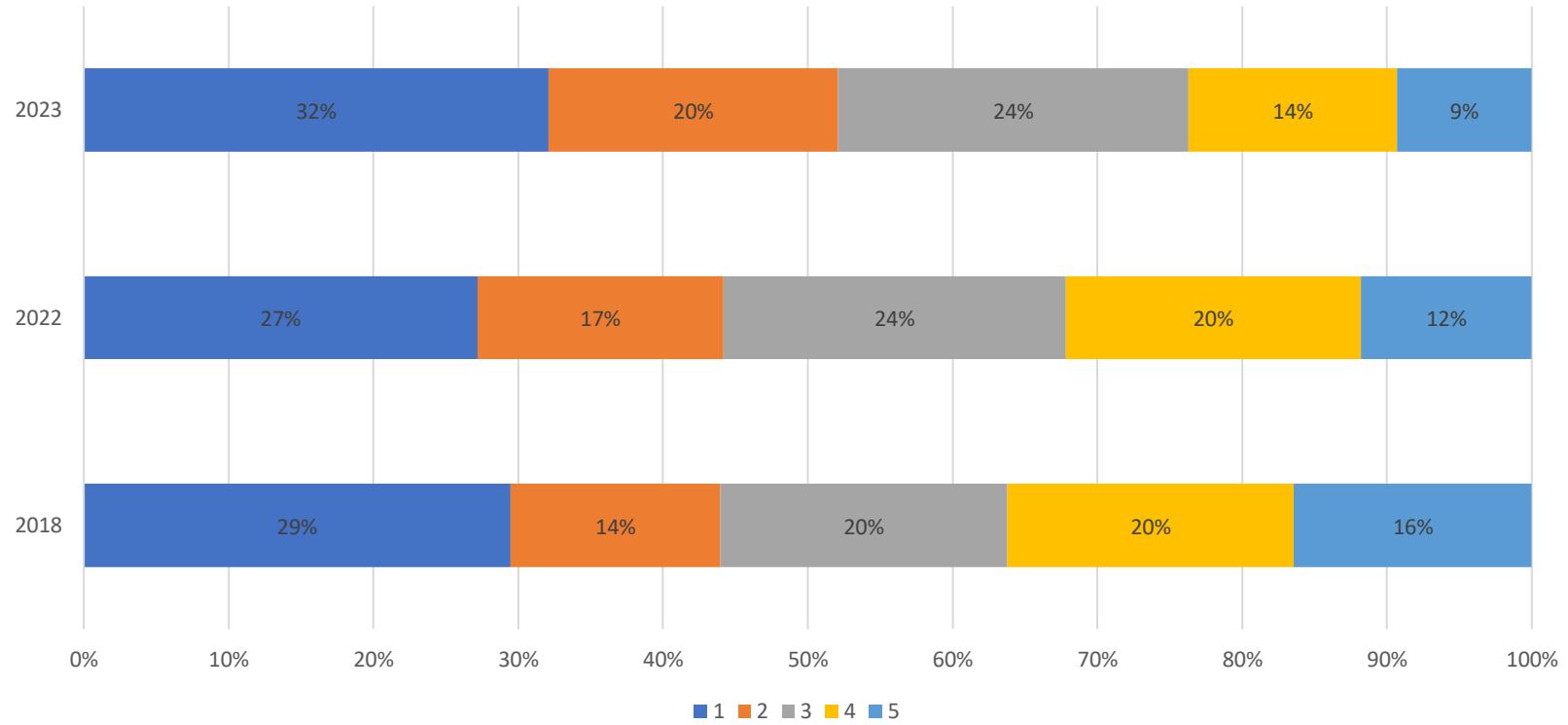


Self-driving cars will positively affect the society



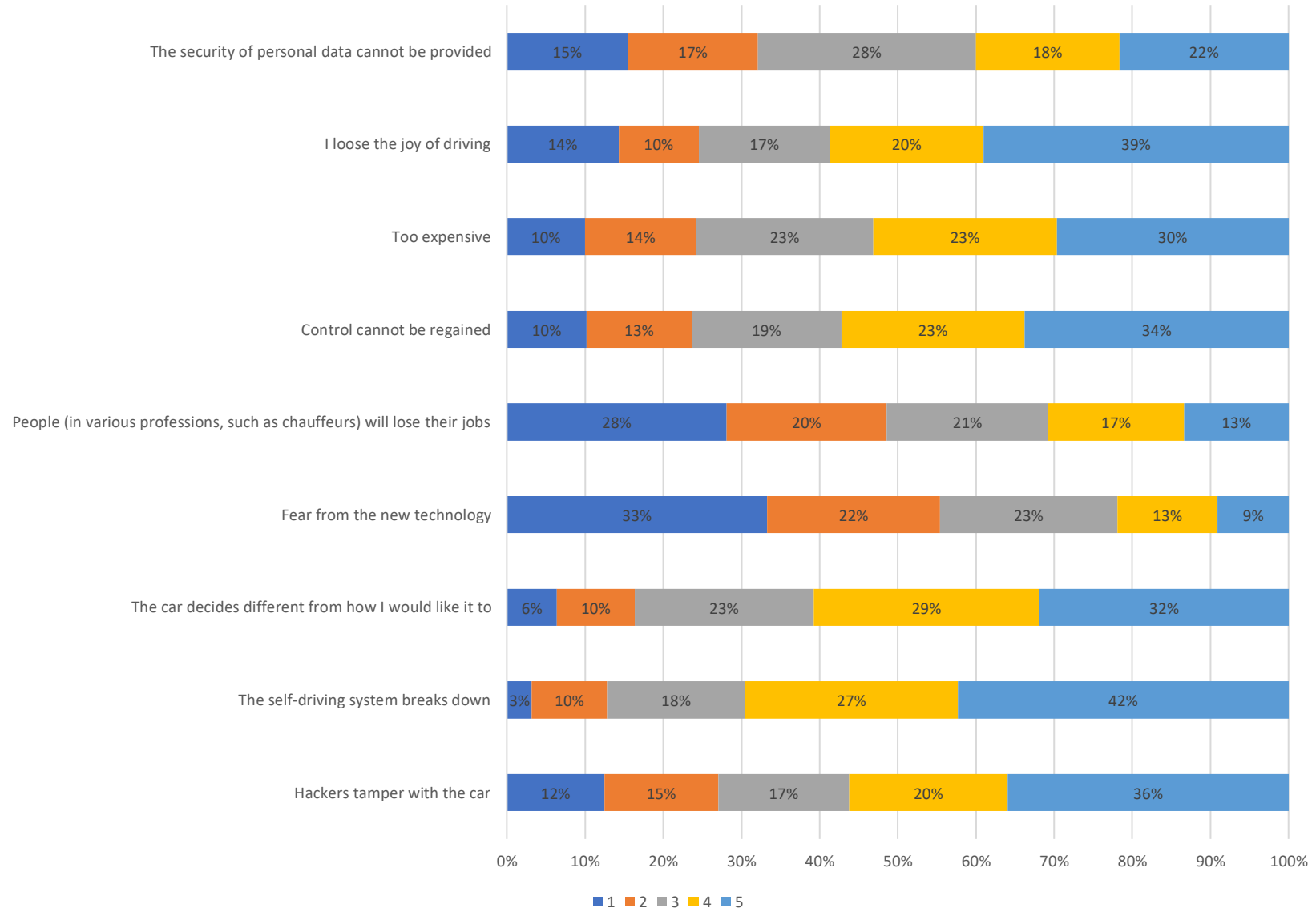


I would love to buy a self-driving car later on





Fears





Fears men vs women

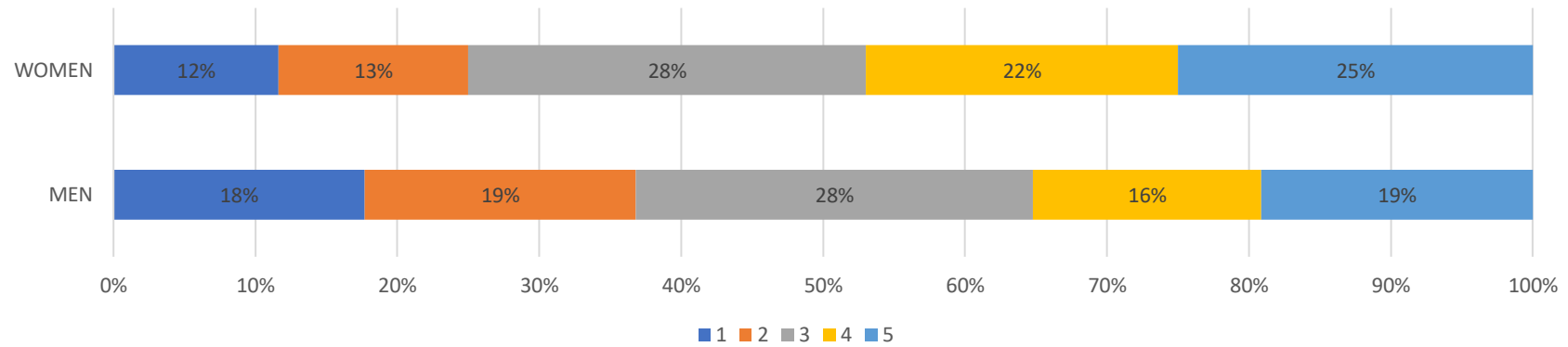
Response	Gender		Age				Total
	Female	Male	18-29	30-44	45-59	60+	
No self-driving	48.4	43.1	41.3	35.2	50.6	56.2	45.8
Partially self-driving	39.8	37.5	39.9	42.6	37.8	34.2	38.7
Completely self-driving	11.8	19.4	18.8	22.2	11.6	9.6	15.6

Source: (Schoettle, Sivak, 2015)

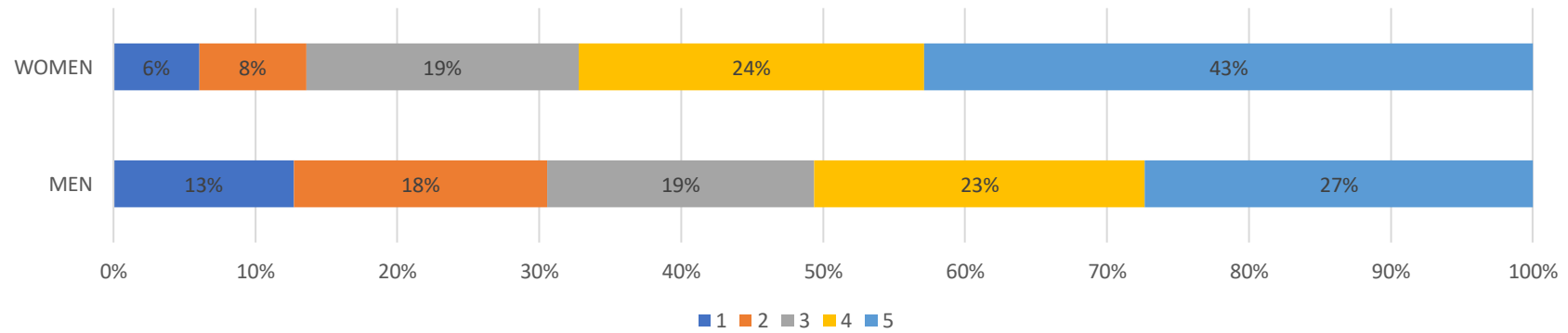


Fears men vs women

The security of personal data cannot be provided



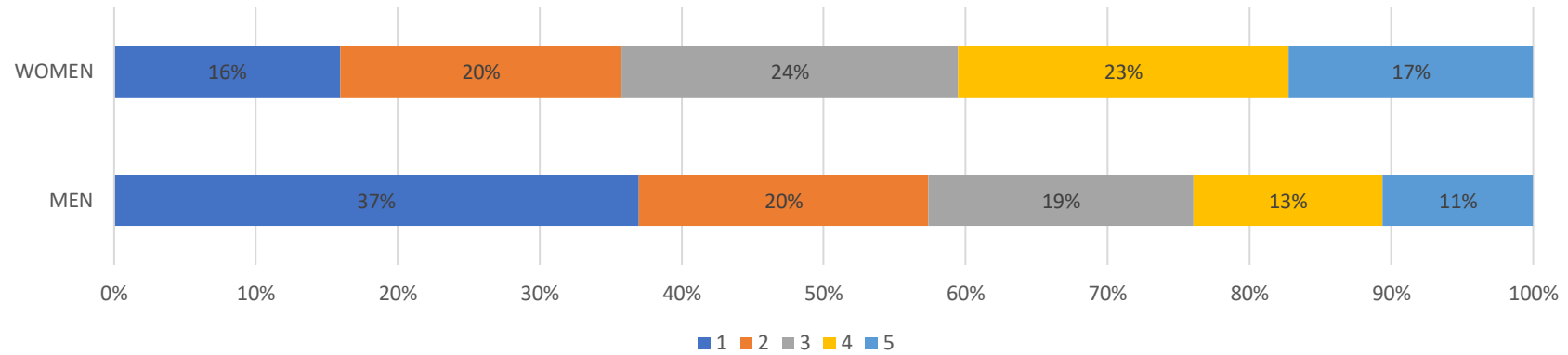
Control cannot be regained



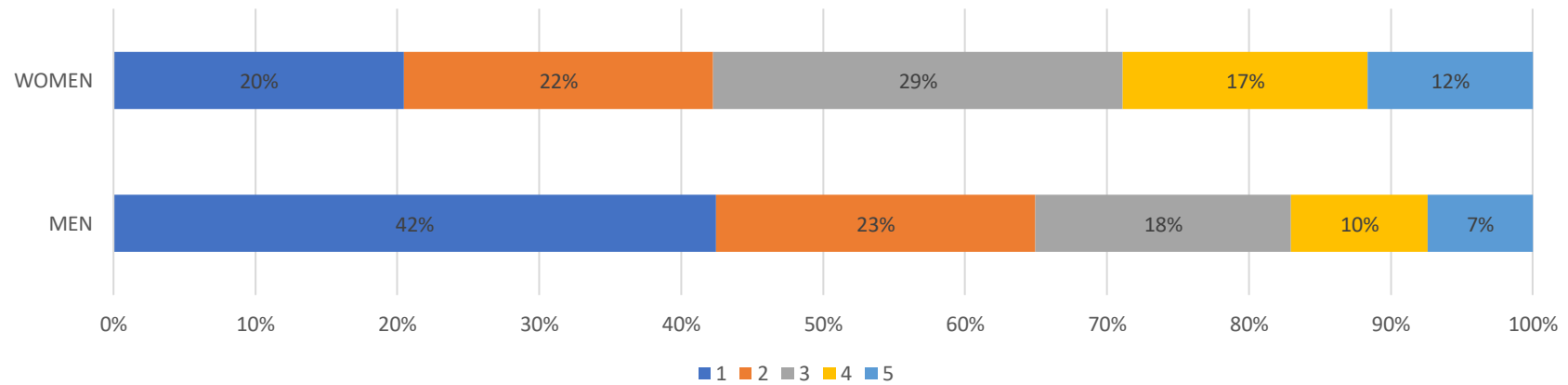


Fears men vs women

People (in various professions, such as chauffeurs) will lose their jobs



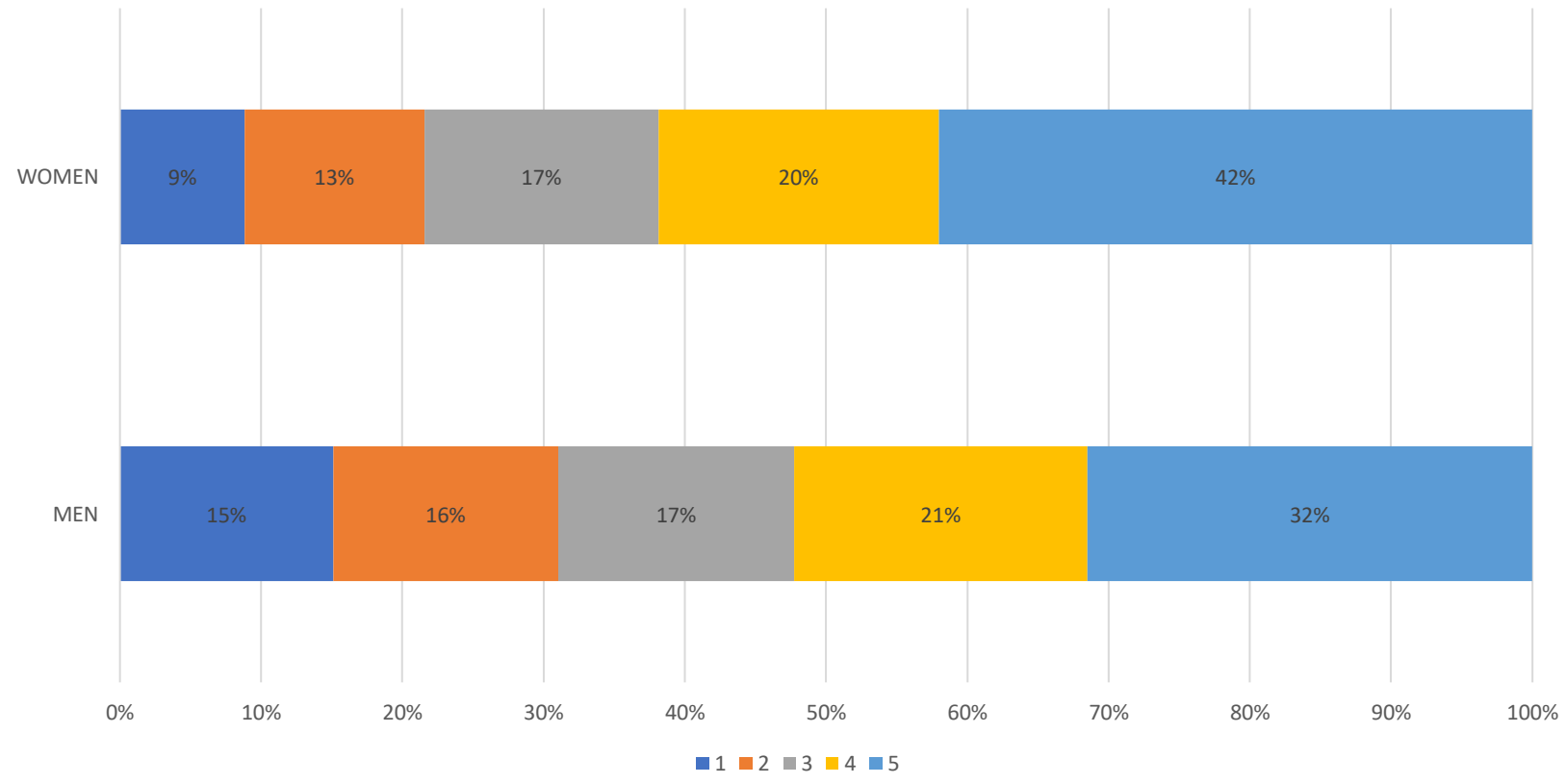
Fear from the new technology





Fears men vs women

Hackers tamper with the car





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Thank you for the kind
attention!

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