

## CSE 464

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### Activity 4

a)

Age:

1. EC1: Age < 25
2. EC2:  $25 \leq \text{Age} \leq 60$
3. EC3: Age > 60
4. Invalid ECs: Age  $\leq 0$ , non-numeric input

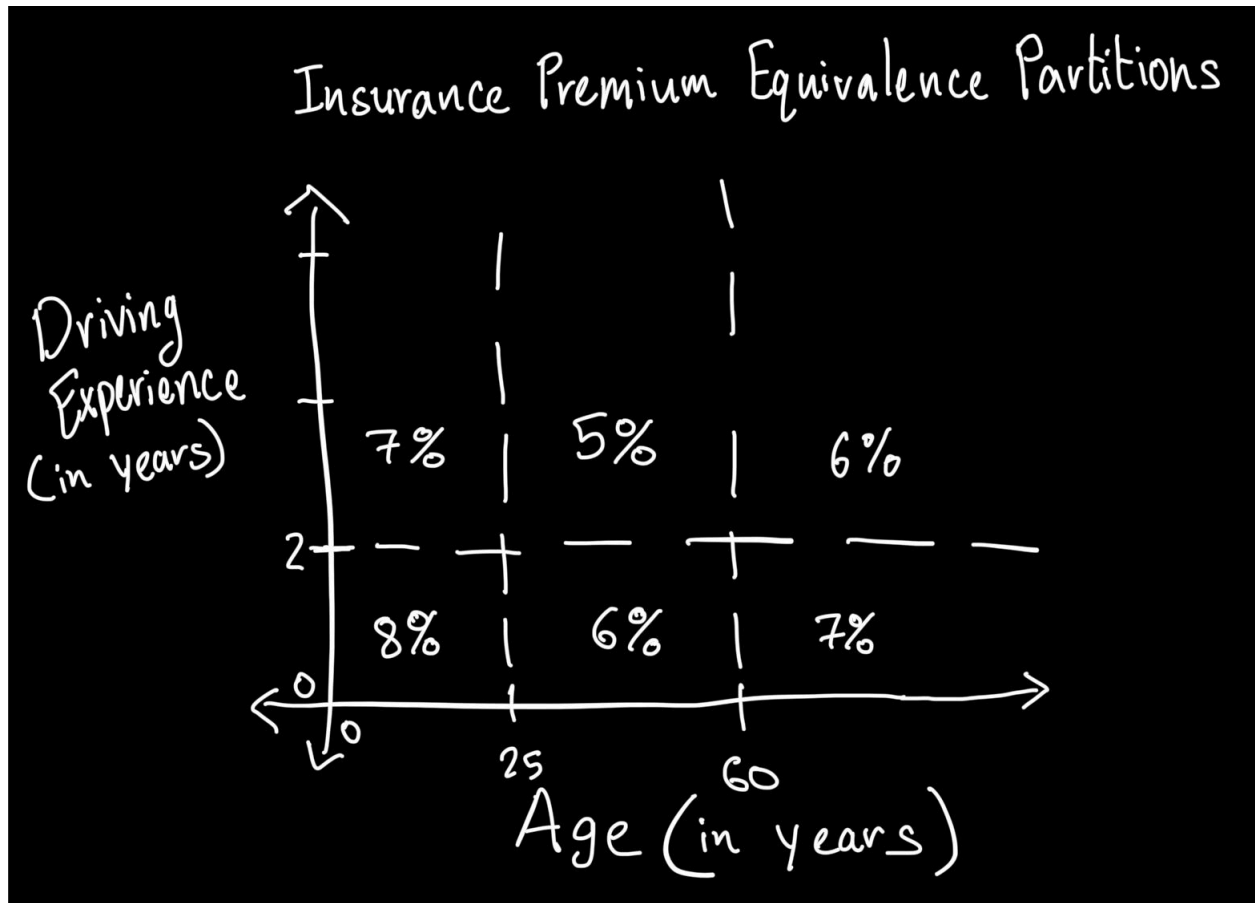
Driving Experience:

1. EC4: Driving experience < 2 years
2. EC5: Driving experience  $\geq 2$  years
3. Invalid ECs: Driving experience < 0, more years than current age

b)

Age (Years)	Driving Experience (Years)	Expected Premium Rate
21 (<25)	1 (<2)	8%
21 (<25)	3 ( $\geq 2$ )	7%
28 (25–60)	1 (<2)	6%
28 (25–60)	3 ( $\geq 2$ )	5%
65 (>60)	1 (<2)	7%
65 (>60)	5 ( $\geq 2$ )	6%

c)



For Strong Normal EP: It's the combination of all valid test cases:

$3 \times 2 = 6$  Test Cases

For Strong Robust EP: It's the combination of all valid and invalid test cases:

$4 \times 3 = 12$  Test Cases