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MSSV: **SE161204**

**Assignment 1**



* The population: American citizens
* The sample: 500 citizens from each state

2. Statistic
3. Parameter
5. Observational study
6. Experimental study
8. Retrospective
9. Prospective
10. Cross-sectional
12. Discrete number
13. Continuous number
14. Discrete number
16. Discrete
17. Continuous
18. Discrete
19. Continuous
21. Collecting data
22. Collecting data
23. Collecting data
24. Collecting data
26. 
27. 
28. 
29. 
30. 
31. 

A is the event that teenager owns a skateboard

B is the event that teenager owns a bicycle

1. 
2. 
3. 
4. 1. 

We have  => A and B are independent events

* 1. 
  2. 

1. 1. , 
   2. , 
   3. , 

A is the event that the first one selected is defective

B is the event that the second one selected is defective

1. 
2. 
3. 
4. 1. 



* 1. 



1. 1. 
   2. 
   3. 

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| X | 0 | 1.5 | 2 | 3 |
| P(X) | 1/3 | 1/3 | 1/6 | 1/6 |

1. 
2. 
3. 
4. 
5. 1. 
   2. 
   3. 
   4. , , 
6. 1. 
   2. 
   3. 

d.

|  |  |  |  |
| --- | --- | --- | --- |
| X | 1/8 | 1/4 | 3/8 |
| P(x) | 0.2 | 0.7 | 0.1 |

, 

1. 1. 
   2. 
   3. 





1. , 
2. 1. 
   2. 
   3. 
   4. , 
3. 1. 
   2. 
4. 1. 



* 1. , 

1. 1. , 
   2. , 
   3. 
2. 1. 
   2. 
3. 1. 
   2. 
   3. 
4. 1. 
   2. 
   3. 
   4. 