Quiz 2 Solutions

3.17.23

1-10

	V1	V2	V3
1	c		
2	c		
3	d		
4	b		
5	e		
6	b		
7	a		
8	b		
9	d		
10	b		

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12

Solution: 91%

13

Solution: 8%

14

Solution: 20

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$E(X) = 3(0.1) + 4(0.25) + 5(0.55) + 6(0.1) = 4.65$

$Var(X) = (3 - E(X))^2(0.1) + (4 - E(X))^2(0.25) + (5 - E(X))^2(0.55) + (6 - E(X))^2(0.1) = 0.6284$

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- in words, explain what follows a $Bin(n, p)$ distribution
- define $n = 50$
- define, in words, p

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