
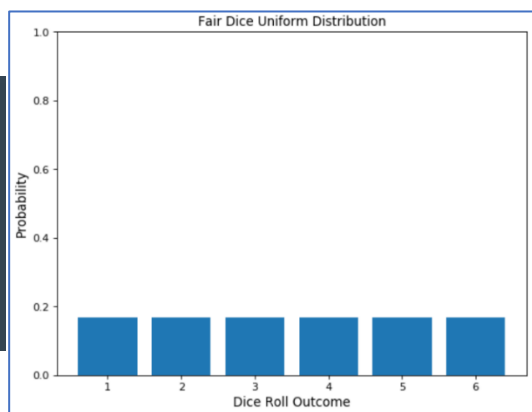


## Discrete uniform distribution:

Rolling a die

Outcome	Probability
1	0.17
2	0.17
3	0.17
4	0.17
5	0.17
6	0.17
All else	0


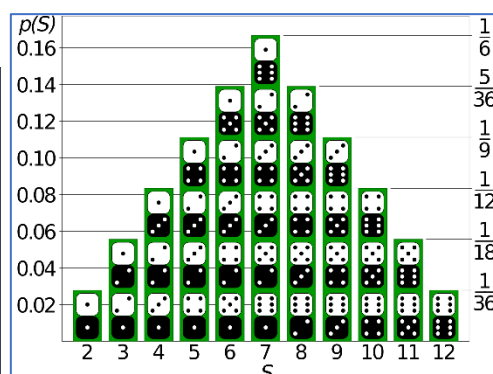
## Binomial uniform distribution:

Rolling two dice

Possibilities?

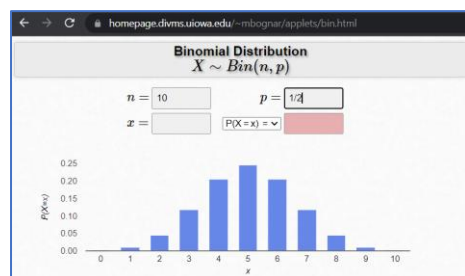
(1,1)	(2,1)	(3,1)	(4,1)	(5,1)	(6,1)
(1,2)	(2,2)	(3,2)	(4,2)	(5,2)	(6,2)
(1,3)	(2,3)	(3,3)	(4,3)	(5,3)	(6,3)
(1,4)	(2,4)	(3,4)	(4,4)	(5,4)	(6,4)
(1,5)	(2,5)	(3,5)	(4,5)	(5,5)	(6,5)
(1,6)	(2,6)	(3,6)	(4,6)	(5,6)	(6,6)

Total: 36

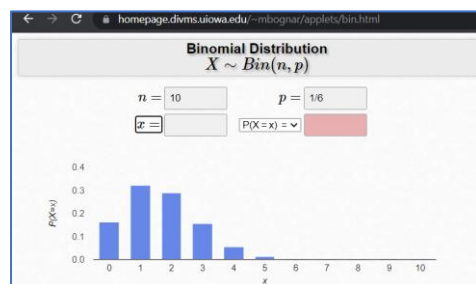



<https://homepage.divms.uiowa.edu/~mbognar/applets/bin.html>

Toss a fair coin 10 times and consider Heads to be a success:

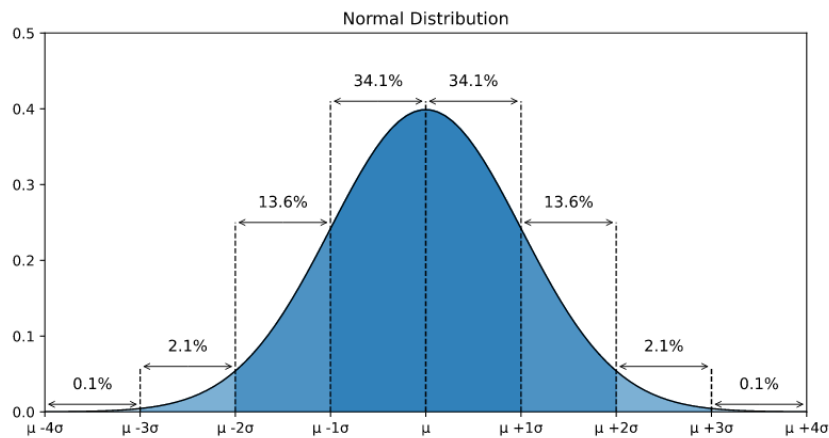


Toss a fair dice 10 times and consider 6 to be a success:

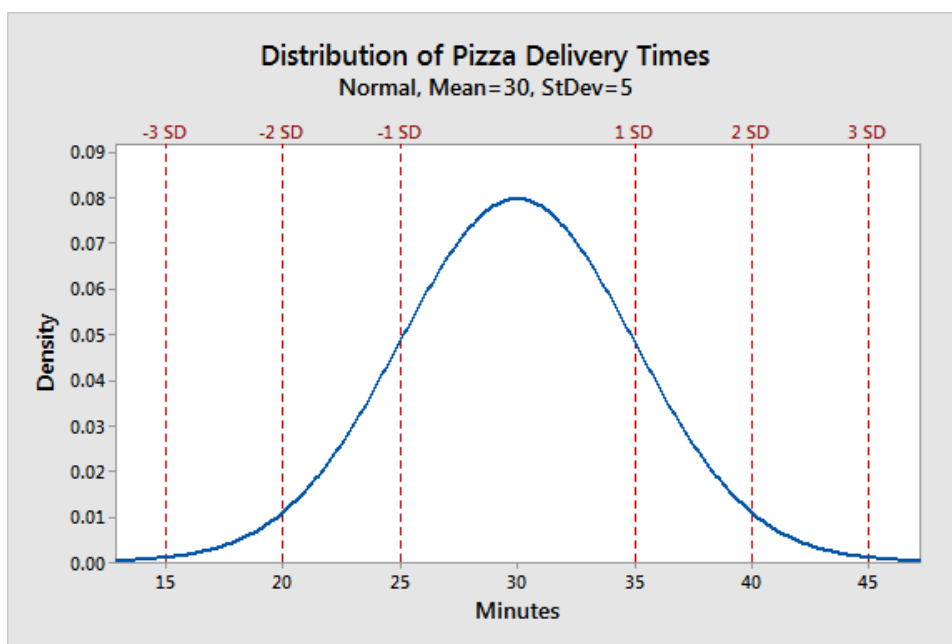


# Continuous Normal Distribution/ Bell curve:

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Example:



Extra: [https://www.youtube.com/watch?v=ol3hZJqXJuc&ab\\_channel=StatQuestwithJoshStarmer](https://www.youtube.com/watch?v=ol3hZJqXJuc&ab_channel=StatQuestwithJoshStarmer)

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## Marginal, Joint and Conditional Probability:

<https://towardsdatascience.com/marginal-joint-and-conditional-probabilities-explained-by-data-scientist-4225b28907a4>