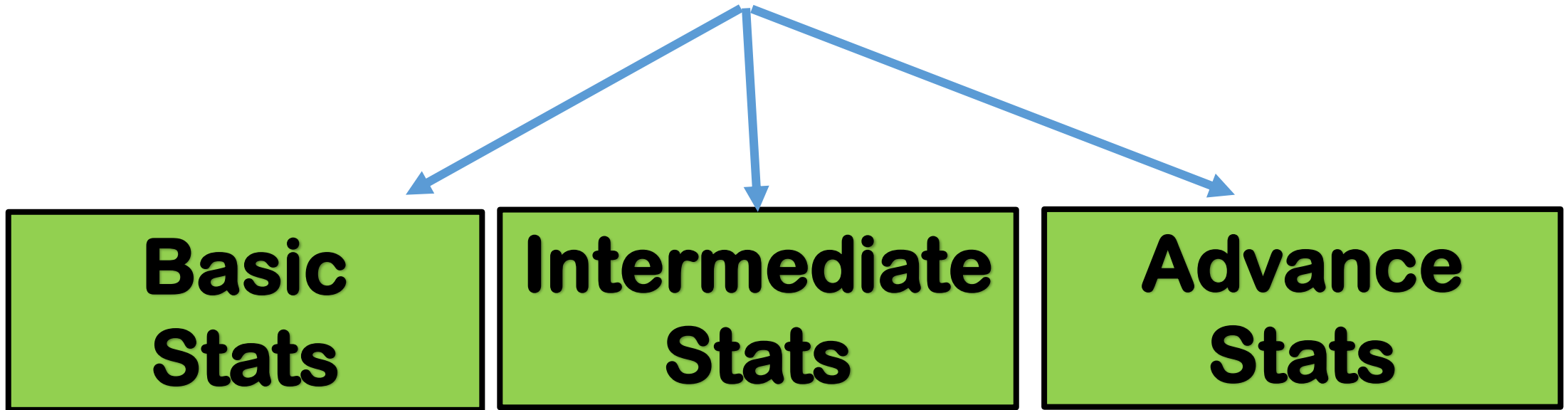




7 Days Plan To Learn Statistics

Statistics For Data Science



Basic Statistics- (2 days)

- 1. What is Statistics And What Are Its Types?**
- 2. Probability Introduction**
- 3. Addition Rule in Probability**
- 4. Multiplication Rule in Probability**
- 5. Descriptive And Inferential Statistics**
- 6. Population And Sample**
- 7. Measure Of Central Tendency(Mean, Median, Mode)**
- 8. Measure Of Dispersion(Variance, Standard Deviation)**
- 9. Population Mean And Sample Mean**
- 10. What is Sampling Method And Its Types**
- 11. What is Variables And Its Types?**
- 12. Variable Measurement Scales**
- 13. Frequency Distribution And Cumulative Frequency**
- 14. Histograms**


Intermediate Stats- (2 days)

1. Percentiles And Quantiles
2. Five Number Summary
3. Inter Quartile Range(IQR)
4. Boxplots
5. Effect Of Outliers And Its Removal
6. Probability Density Function
7. Normal Distribution or Gaussian Distribution And Emperical Formula
8. Z score
9. Standardization Vs Normalization
10. Standard Normal Distribution
11. Central Limit Theorem
12. Chebyshevs Inequality
13. Covariance
14. Pearson Correlation Coefficient

Advance Stats(3 days)

1. QQ plot Check data is Normally Distributed
2. Bernoulli Distribution And Binomial
3. Log Normal Distribution
4. Power Law Distribution
5. Boxcox Tranform
6. All Transformation Techniques
7. Confidence Interval In statistics
8. Type 1 And Type 2 error
9. One Tailed And 2 Tailed Tests
10. Hypothesis Testing, p value
11. Steps For Hypothesis Testing
12. T test
13. z test
14. Annova test
15. Chisquare test

Playlist To Follow



Intermediate Stats

- 12. Standard
- 13. Z score
- 14. Probability Density Function
- 15. Central Limit Theorem
- 16. Skewness of Data
- 17. Covariance
- 18. Pearson Correlation
- 19. Spearman Rank Correlation
- 20. Hypothesis Testing

Acing Statistics

How to Learn Statistics for Data Science As A Self Starter

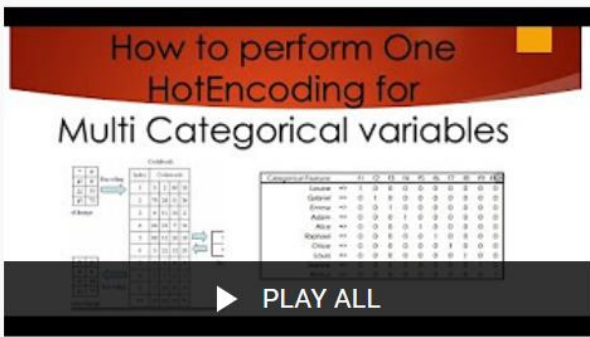
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How to perform One HotEncoding for Multi Categorical variables


Category	1	2	3	4	5	6	7	8	9	10
London	1	0	0	0	0	0	0	0	0	0
Galaxy	0	1	0	0	0	0	0	0	0	0
Europe	0	0	1	0	0	0	0	0	0	0
Adams	0	0	0	1	0	0	0	0	0	0
Asia	0	0	0	0	1	0	0	0	0	0
Europe	0	0	0	0	0	1	0	0	0	0
China	0	0	0	0	0	0	1	0	0	0
South	0	0	0	0	0	0	0	1	0	0

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Thank You :)