

Quiz

SDS 385

1. Is independence of two random variables the same as uncorrelated? If not, what is the difference?
2. What is the difference between clustering and classification?

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6. If f is convex, and X is a random variable, then how are $f(E[X])$ and $E[f(X)]$ related?

7. Write down the definition of a symmetric positive-semi definite matrix. What do you know about its eigenvalues?