18.06 Linear Algebra: Week 5

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October 15th, 2019

Progress Update

Over the past week we have covered:

1. Projection matrices
2. Linear regression
3. Orthonormality

Problem 15.2: (4.2 #17.) If $P^2 = P$, show that $(I - P)^2 = I - P$. For the matrices A and P from the previous question, P projects onto the column space of A and $I - P$ projects onto the _____.