CS189 Introduction to Machine Learning

CS189 Homework 0

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1 Linear Algebra Review

1.1 Q(a)

$$\mathbf{u} = \begin{bmatrix} 1 \\ 2 \end{bmatrix}$$

$$\mathbf{v} = \begin{bmatrix} 2 \\ 3 \end{bmatrix}$$

$$\mathbf{M} = \mathbf{u}\,\mathbf{v}^\top = \begin{bmatrix} 2 & 3 \\ 4 & 6 \end{bmatrix}$$

1.2 Q(b)

1.3 Q(c)

2   Linear Regression and Adversarial Noise

2.1   Q(a)

2.2   Q(b)

2.3   Q(c)

3   Background Review

3.1   Q(a)

3.2   Q(b)

3.3   Q(c)

3.4   Q(d)

3.5   Q(e)

4 Your Own Question