Torrodjae Somerville

CTEC 298-101: Symbolic Computation Using Big Data

Dr. Bemley

Novemeber 13, 2025

Tableau Install Proofs:

🍱 Jupyter **Numpy Tutorial Completion** Last Checkpoint: yesterday

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[75]: `A/2`

[75]: array([[0.5, 1. ,
         [2. , 2.5,
         [3.5, 4. ,

[76]: `A+3`

[76]: array([[4, 5,
         [7, 8,
         [10, 11, 1

[77]: `np.mean(A)`

[77]: np.float64(5.0)

[78]: `np.mean(A,axis=0)`

[78]: array([4., 5., 6.

[79]: `np.std(A)`

[79]: np.float64(2.5819

[80]: `np.linalg.eig(A)`

[80]: EigResult(eigenva   4, 0.40824829],
         [-0.525322
         [-0.818673

[81]: `np.linalg.qr(A)`

[81]: QRResult(Q=array(
         [-0.492365
         [-0.861640
         [0.0000000be+00, 9.045949542-01, 1.00990007e+00],
         [0.00000000e+00, 0.00000000e+00, -1.11164740e-15]]))

[82]: `np.linalg.svd(A)`

[82]: SVDResult(U=array([[-0.21483724, 0.88723069, 0.40824829],
         [-0.52058739, 0.24964395, -0.81649658],

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