

Matrix Operations and their Properties

1. Today:

- (a) Warm-up
- (b) WeBWork
- (c) 1.4 Equivalent systems and row operations (Understand what equivalent systems are and how elementary row operations preserve equivalence.)

2. Warm-Up

Prove that if $A_{m \times n} = [a_{ij}]$, $B_{n \times r} = [b_{ij}]$, and $C_{n \times r} = [c_{ij}]$, then $A(B + C) = AB + AC$.

3. Next time:

- (a) Introduction to Python