Task 6: Measures of Dispersion

Dataset: [2, 4, 6, 8, 10]

- **Mean:** 6
- **Variance:** [(2-6)^2 + (4-6)^2 + (6-6)^2 + (8-6)^2 + (10-6)^2] / 5 = **8**
- **Standard Deviation:** √8 ≈ **2.828**
- **Significance:** Variance measures spread; standard deviation shows how far values deviate from the mean.