Racquetball Drop
Coefficient of Restitution Measurement

- Racquet balls come in different colors, each representing a certain speed

- Ways to measure coefficient of restitution:
  - Comparing velocity
  - Comparing Height of drop

- Video tracking software was used to track the bottom of the ball through its range of motion. Using the fps and change in distance, velocity before and after the bounce were calculated

- Results: Coefficient of Restitution for

  Red > Purple ≈ Blue