Pair Programming

- Two programmers at the computer
- One driver, one back-seat driver
- Switch roles at designated intervals
- Together: design, testing, implementation, analysis

- UCSC - Comparison of two sections of CS1.
- Picked partners.
- Switched every hour.

Results

- Pair assignments significantly better (86 vs 67)
- Final exams the same (73 vs 75)
- Pair higher retention (92 vs 76)
- Top pairs better than normal pairs (83 vs 75)

- Other pair programming experiments:
  - More test cases passed (88 vs 75)
  - Time to completion about 60
  - Higher job satisfaction