

Example with interactions

- **Question:** what are the best soil moisture and light availability to grow tulips?
- Greenhouse experiment: beds of tulips kept in nine combinations of soil moisture and shading. Three replicates for each combination (total of 27 beds).
- **Response variable:** mean plant height in each bed
- **Predictor variables:**
 - Water: 3 levels (low, med, high)
 - Shade: 3 levels (low, med, high)



Tulips data

Shade level:

1. Low
2. Medium
3. High

Water level:

1. Low
2. Medium
3. High

