Replication sample size vs. effect size

Legend:
- Age
- Episodic memory
- Cognitive ability
- Cognitive flexibility
- Fluid intelligence
- Inhibition (flanker)

Y-axis: Explained var. (R^2) — values: 50, 10, 5, 1, 0.1

X-axis: Sample size required for 80% replication — values: 10, 30, 100, 300, **1000**, 3000