



Context: We make games



Students are challenged to make games in teams



Problem: Peer-Reviews Indicated a Lack of Team Cohesion



Goal: Inspire Students to Collaborate More Effectively



Question: How?



Proposal: A Robot-Olympiad



Scott & Ghinea, 2013



Zarb & Siegel, 2016



H1: increase in peer interaction, as observed in workshops



H2: better team cohesion, from peer-reviews



The Plan: Lego EV3 Space Challenge



Control
$$\Delta \bar{x} = -248, t_{ess} = -4.173, \rho < 0.001$$

Intervention





**Questionable Measurement Validity** 



Limited Quasi-Experiment, Post-Test Only



Conclusion: A Great Ice-Breaker