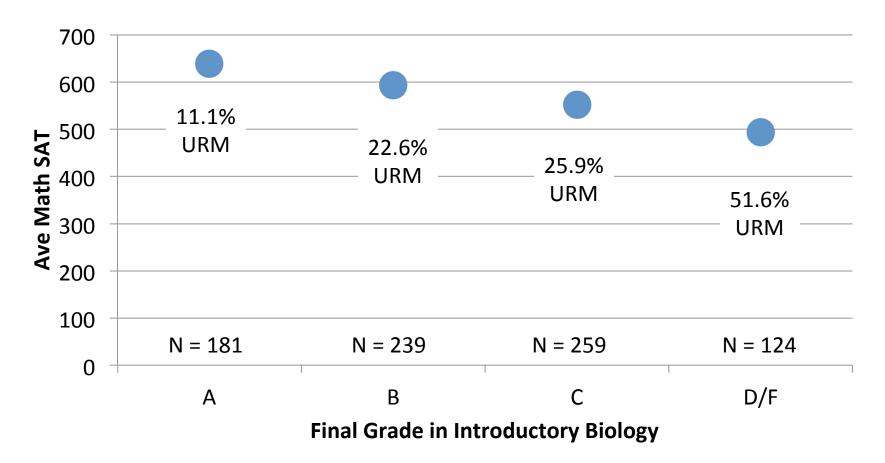


Assessment of a Preparatory MOOC in Biology

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June 2014

Rationale

Average Math SAT scores for students at each final letter grade, Bio 93

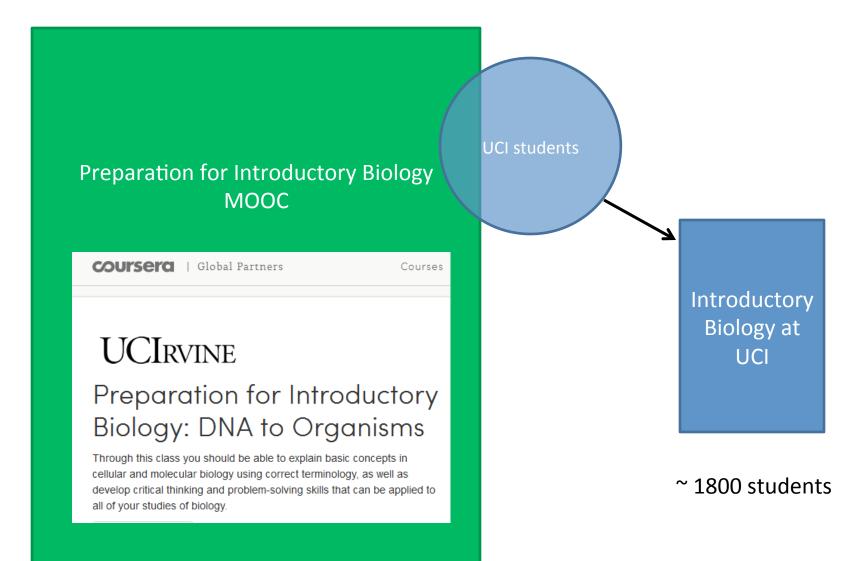


N = 803, Fall 2012 Bio 93. URM = under-represented minority students

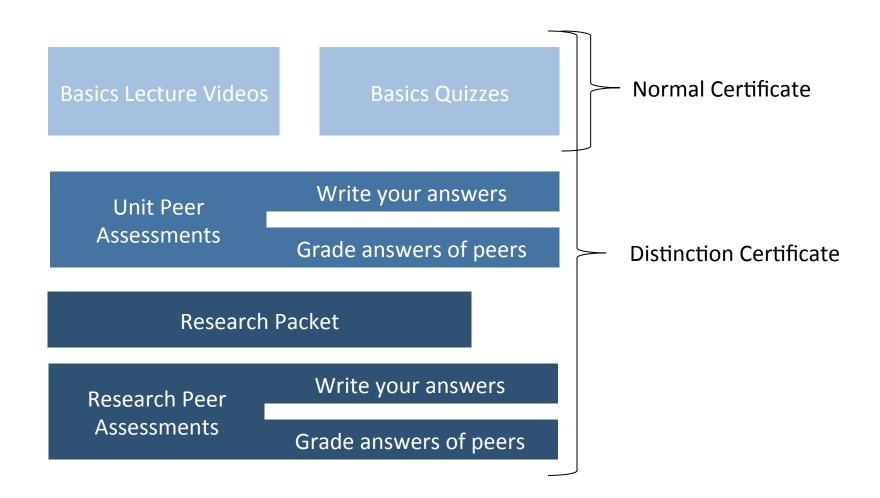
Experimental Question

Will a preparation MOOC help students do better in introductory biology?

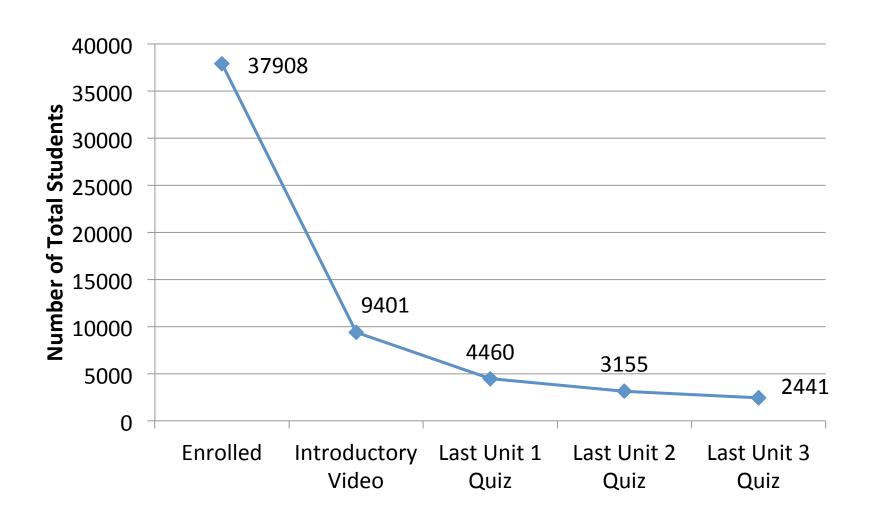
Experiment 1 Design



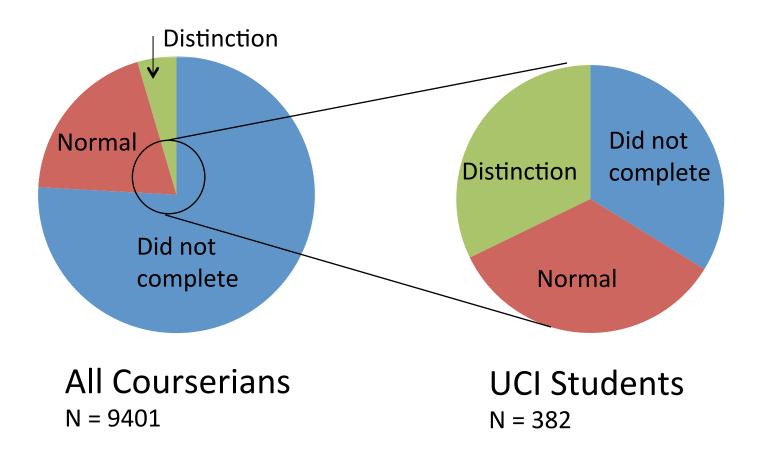
MOOC Course Design



MOOC Participation

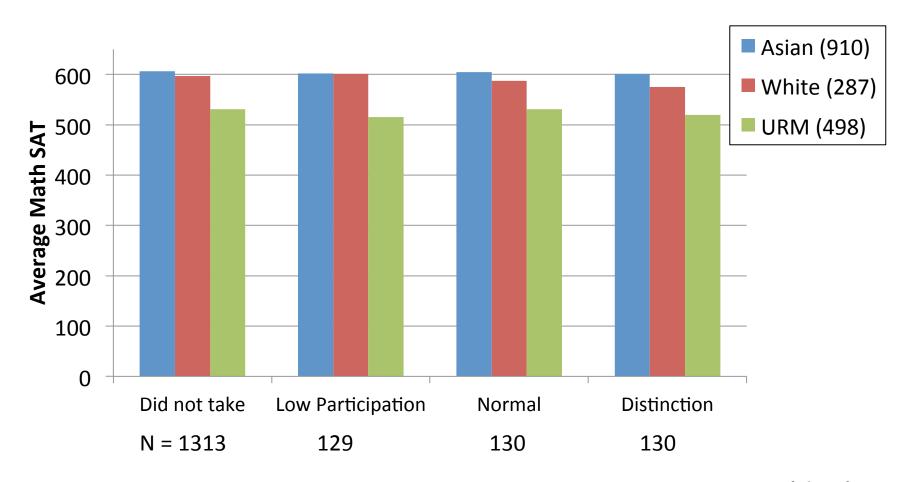


MOOC Completion



Results

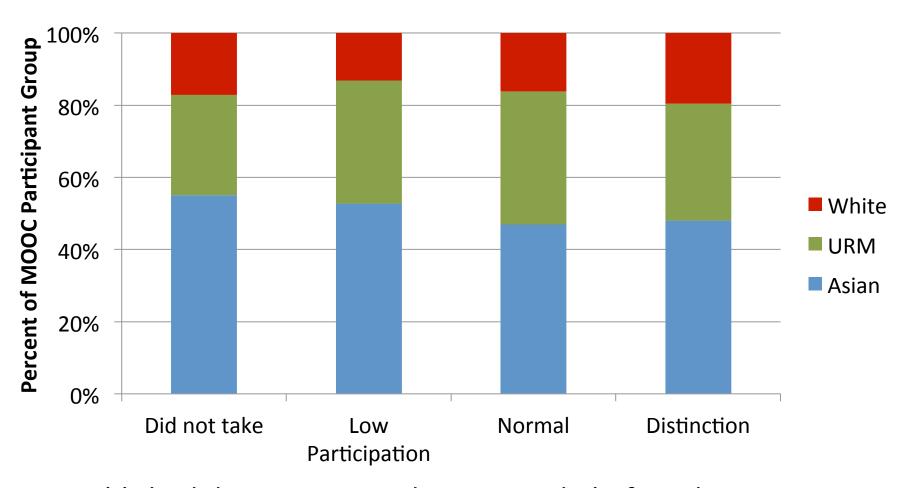
Math SAT scores for all participation levels



MOOC Participation

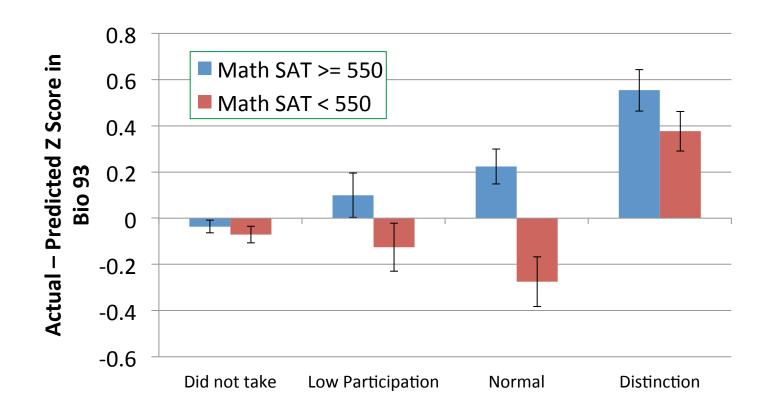
Results

All ethnicities participate similarly



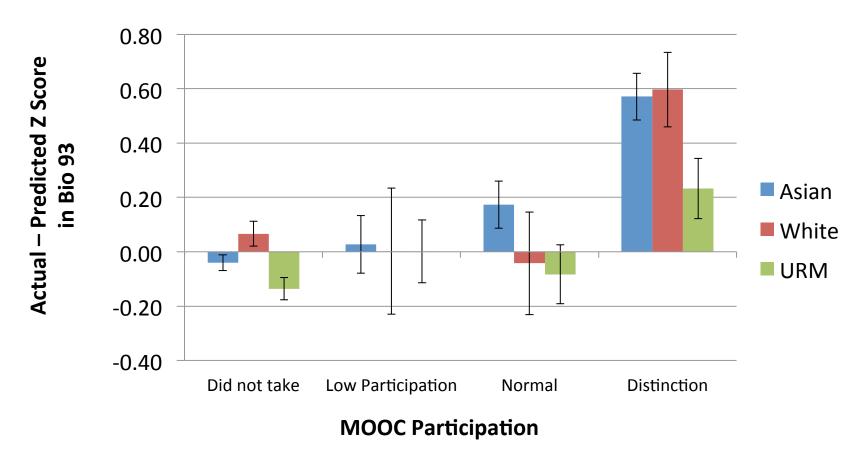
Results

All Math SAT scores do not respond identically



Results

All ethnicities do not respond identically



Experimental Design for Summer 2014

