

**USING ALEKS IN  
INTRODUCTORY  
PHYSICS COURSES  
AT THE COLLEGE  
LEVEL**



# ELEMENTS OF INTRO PHYS LABS



Skills

Math readiness

Scientific methods and equipment

Systematic problem solving



Actual labs

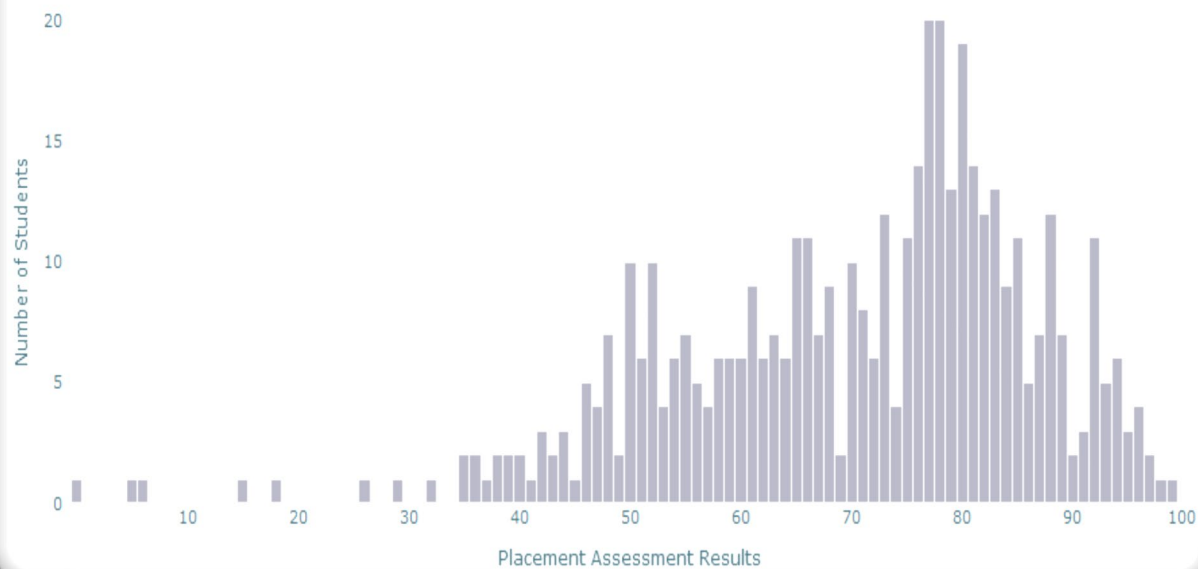
Scientific writing



Math “only”  
sections

### Initial Placement Assessment Results

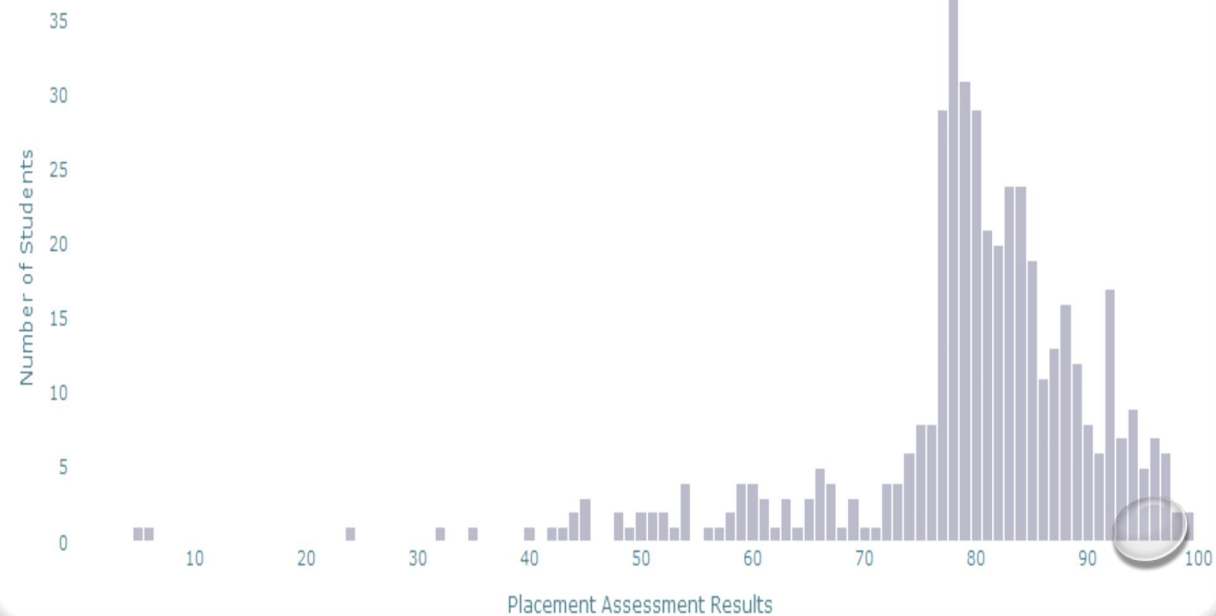
08/16/2022 - 12/31/2023 | Number of Students: 450



56% below the readiness threshold

### Best Placement Assessment Results

08/16/2022 - 12/31/2023 | Number of Students: 450

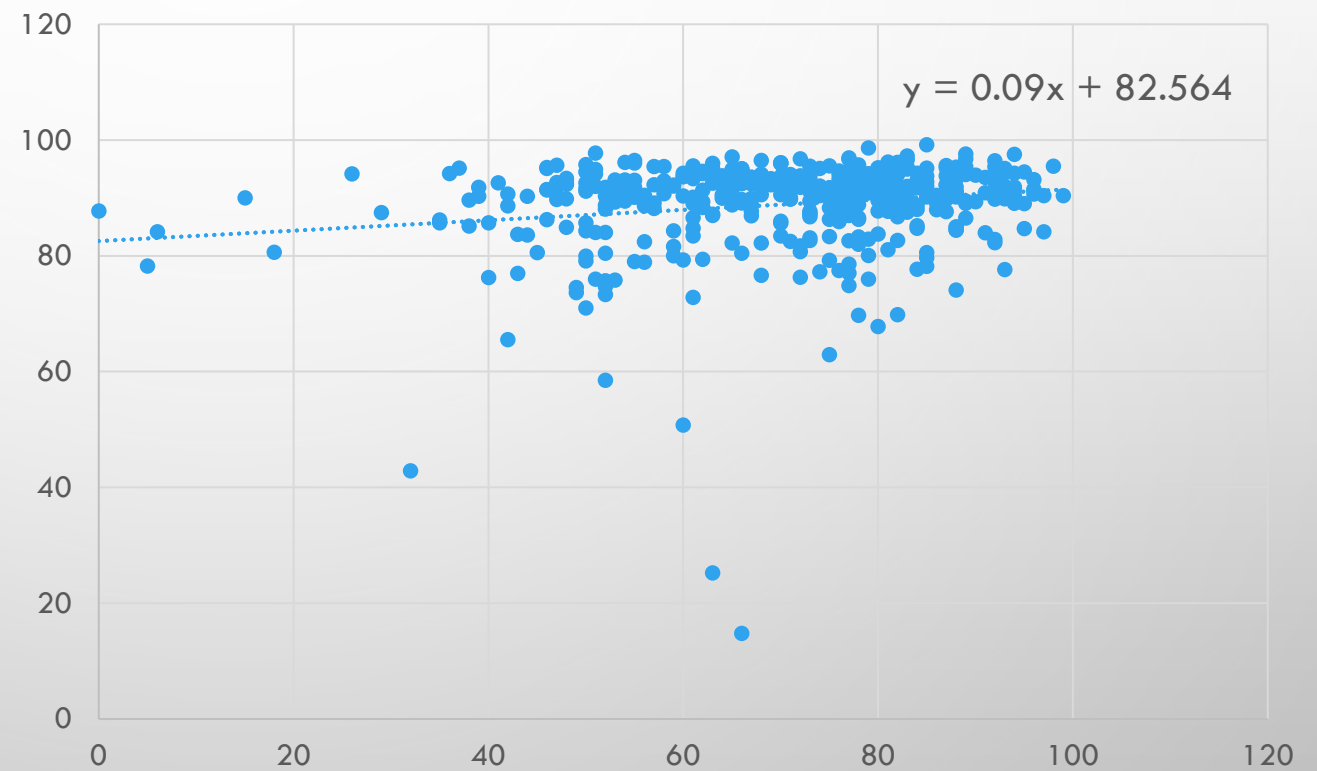


21% still below the threshold

# MATH READINESS

# SUCCESSFUL TESTING?

Final class score vs. Initial test score





# TO DO LIST

**Correlate with the lecture**

Correlate with previous math courses

Correlate “gains” with lab/lecture scores

Do a qualitative confidence growth mindset study  
with my special math only sections





ALL OF THE MATERIALS FOR THESE COURSES CAN BE FOUND  
AT THE FOLLOWING URL:

[HTTPS://DRIVE.GOOGLE.COM/DRIVE/FOLDERS/1SMAE9UODZECZDJCTITINZMCJ4J4WMAJ?USP=SHARING](https://drive.google.com/drive/folders/1SMAE9UODZECZDJCTITINZMCJ4J4WMAJ?USP=SHARING)

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