RAPID: Using Real Life COVID–19 Data to Teach Quantitative Reasoning Skills to Undergraduate Hispanic STEM Students

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The Challenge (COVID-19)

- Extra stress on all undergraduate students
- Interruptions in undergraduate research opportunities
- Important to retain students in their classes, but it is equally important to engage them in real-life, albeit virtual STEM activities.
Solution:

• To engage students and generate knowledge on teaching and learning about COVID-19 while gathering real time data
  20 students–6 faculty
  “When the impossible happens, think of the possible.”

Objective(s):

1. Implement a data–analysis research experience to support improvement of quantitative reasoning

2. Create a professional development opportunity for STEM LEAPS Undergraduate Research Faculty in quantitative reasoning

3. Evaluate the project’s impact on students' quantitative reasoning and their attitudes towards quantitative information, and their subsequent STEM coursework and college success
RAPID Research Faculty

- Faculty Development Training
- Reading, assignments, calculations, discussions, and reports via virtual meetings.
RAPID Research Assistant

https://laredo.maps.arcgis.com/apps/opsdashboard/index.html#/9e61d9731ba347da87fc68c500a5209e
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This research project is funded by the National Science Foundation (Award #1832914).