

# Data Analysis of SAT and ACT

**DSI Program** 

Project\_1

By

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#### Title of Presentation

- Introduction
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- Result and discussion
- Conclusion
- Recommendation

#### Introduction

- GA
- Quality of education important for the development of any nation.
- SAT and ACT are College admission tests in the United states.
- How To Enhance Participation Rates for the
- ACT & SAT College Entrance Examination?
- SAT-Created by administered by College Board
- ACT- Created by administered by ACT.org
- Both are accepted by all colleges.



#### Comaprison

- SAT
  - > 3hrs 45 min
  - > 10sections
    - 3 maths
    - 3 critical reading
    - 2 writing
    - 1 easy
    - 1 experimental
- Reading: Sentence completion and passage based reading
- \* Science: None
- Easy: required
- Score completion: Each section is worth 800 points
- Scoring: aggregate of 3 scores 600-2400
- ❖ Penalities: ¼ of points for wrong answer



- ACT
  - > 4 sections
    - English, Math,reading section
    - Writing section(optional)
- \* 4 passaged and 10 questions per passage
- Science: problem solving
- Math: optional
- Score composition: Each section is worth 35 points
- Scoring: average of 4 sections 1-36
- Penalities: No

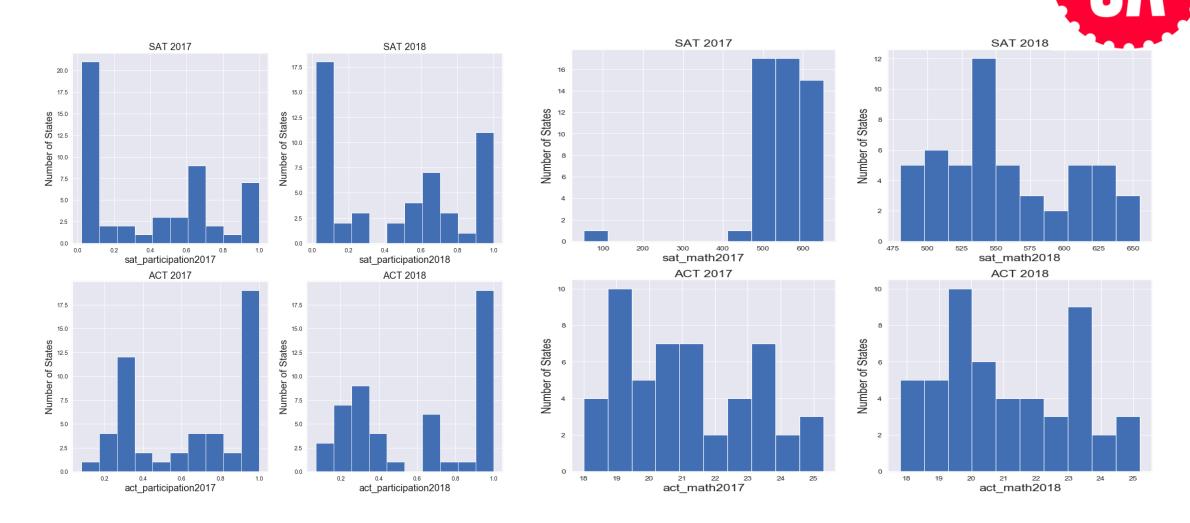
# Methodology



- Understanding the data
  - ➤ Where and explore/
  - ➤ Know each aspect/attribute
- Cleaning data
  - ➤ Cleaning and missing values
- ❖ Visualize the data

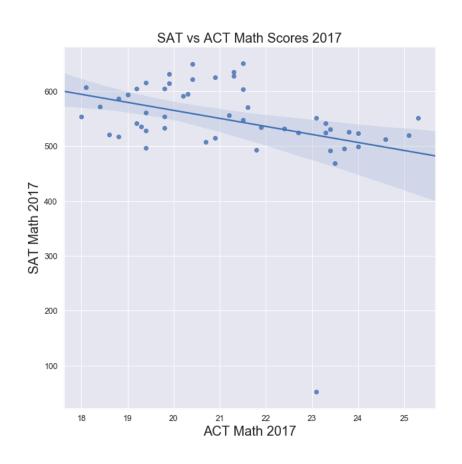
Procedure: Opened the CSV data of SAT and ACT in excel and then jupyter notebook.

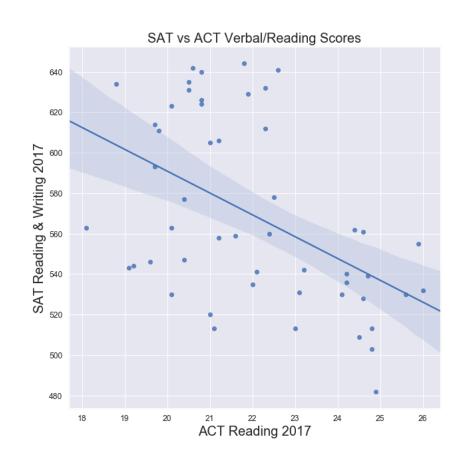
## Result and Discussion



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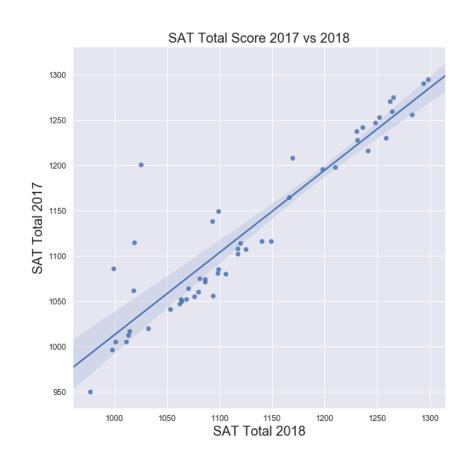


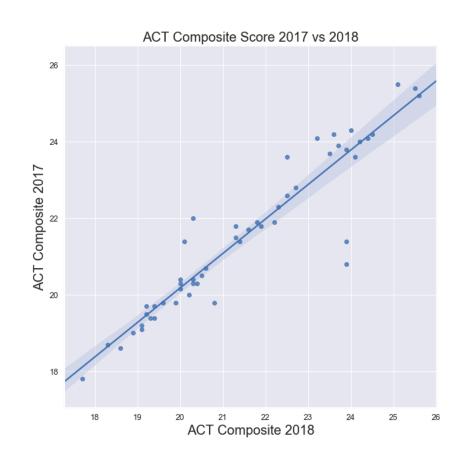




## Result and Discussion







#### Conclusions and Recommendation



❖States which are community schools to administer the state funded SAT or ACT example Ohio. Increases the participation of both test.

❖SAT school day and the cost subside of the SAT improve the result. It increase 25% SAT test takers.

#### Recommendation



- ➤ High School education and Test Preparation so that students need to take the exam with out adding burden to the family income
  - Education budget(local, state and stakeholders)
- ➤ Average score and Family Income?
  - Is there any possible Association??
- > Success stories can be improve the students result



## THANK YOU