Parental Involvement to Education

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Why is this important?

Each additional year of education is associated with an 8-13% increase in hourly earnings.

What drives academic success?

➤ School quality matters
➤ Parents matter too
   ○ Education/income level
   ○ Health
   ○ Language
   ○ Availability of books at home
   ○ PTA involvement

More formal treatment of parental involvement to education

1 - Is increased parental involvement correlated with stronger student performance?

2 - Does the type of parental involvement matter?

How?

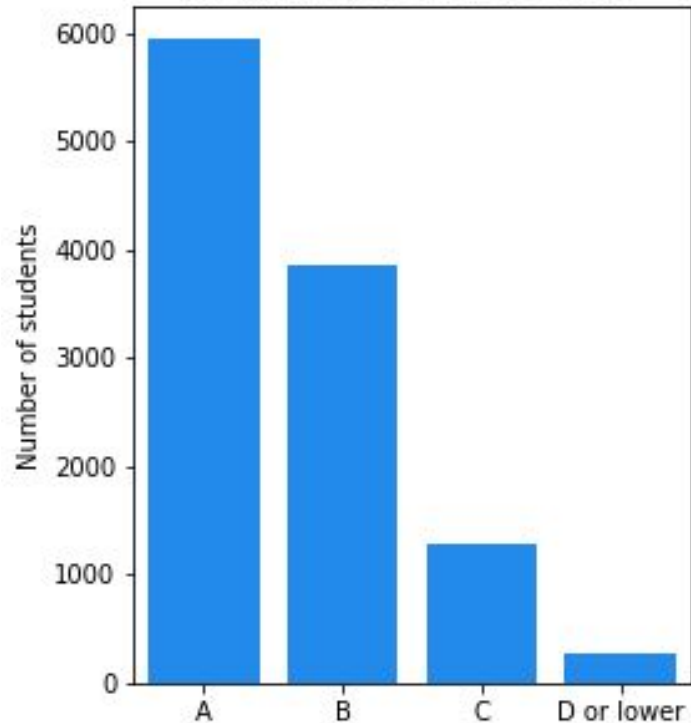Parent and Family Involvement in Education Survey (2016)

Nationally representative of 53.2 million students

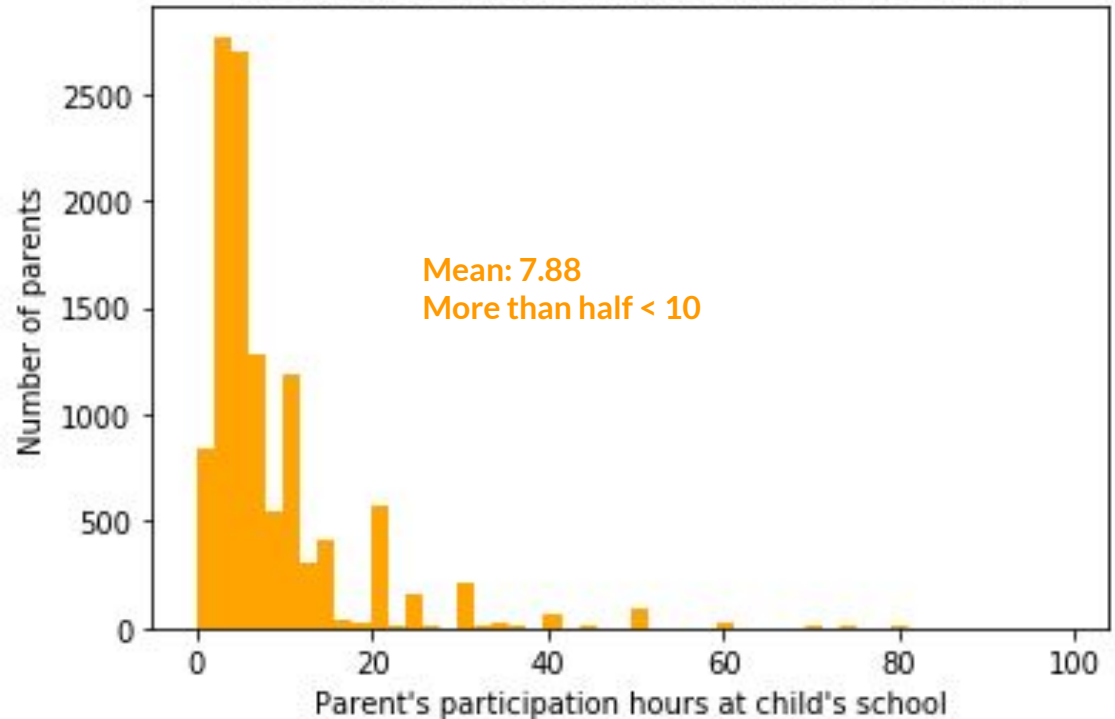14,075 students (13,523 enrolled and 552 homeschooled), K-Grade 12

120 questions (95 for homeschooled) to examine school choice and parent involvement in education such as volunteering at school, help with homework, and family activities
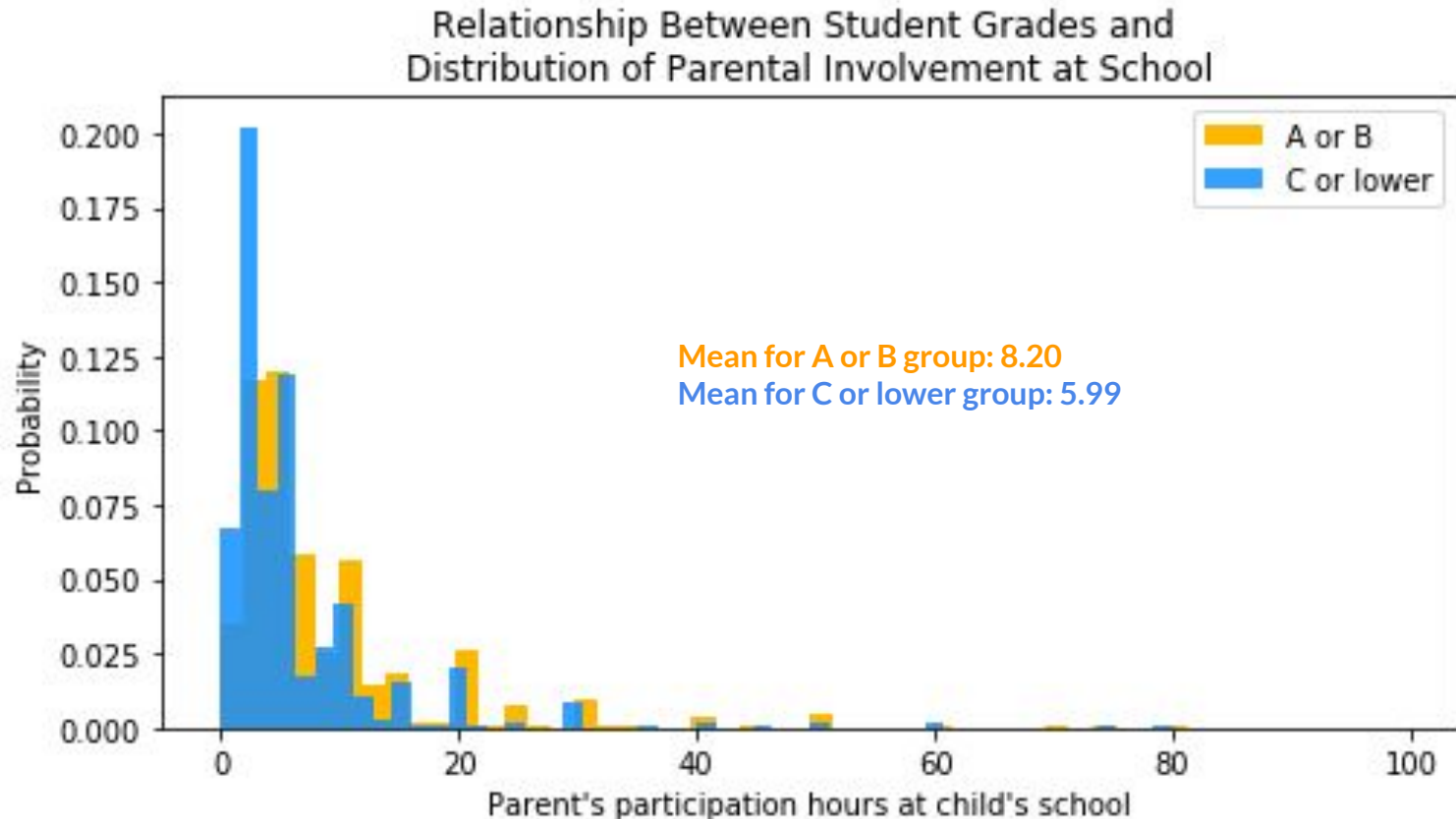
A brief look at the data

Distribution of Student Grades

Distribution of Parental Involvement at School

Mean: 7.88
More than half < 10

Is increased parental involvement correlated with stronger student performance?

Relationship Between Student Grades and Distribution of Parental Involvement at School

Mean for A or B group: 8.20
Mean for C or lower group: 5.99

Can we generalize our findings?

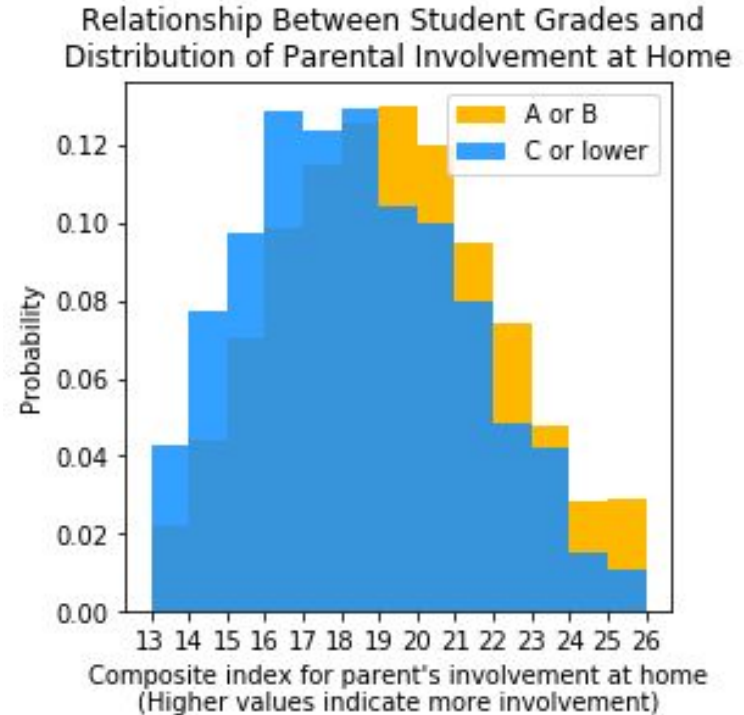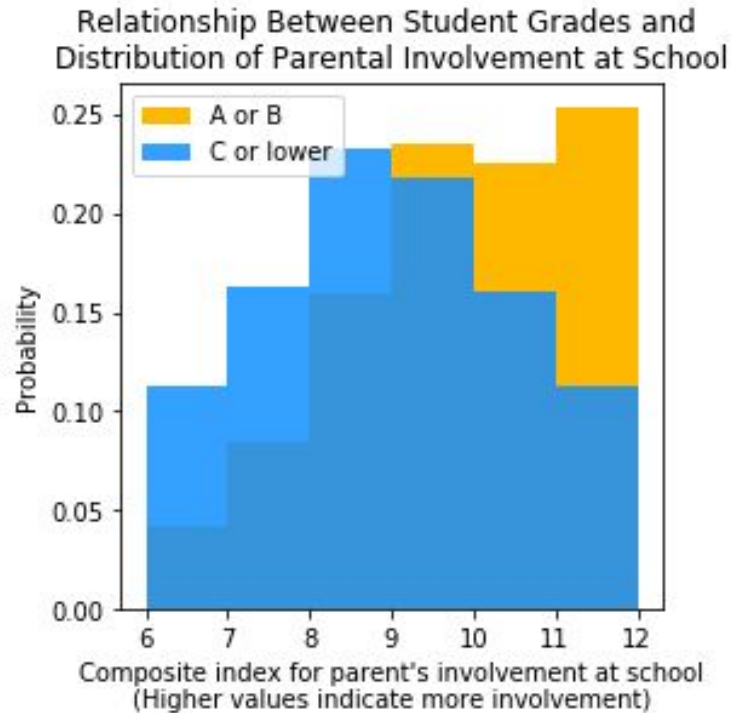➢ **At-school involvement indicator:** 6 dimensions

- ○ Parent-teacher meetings
- ○ Volunteering
- ○ Fundraising
- ○ Science fair, sports events etc.

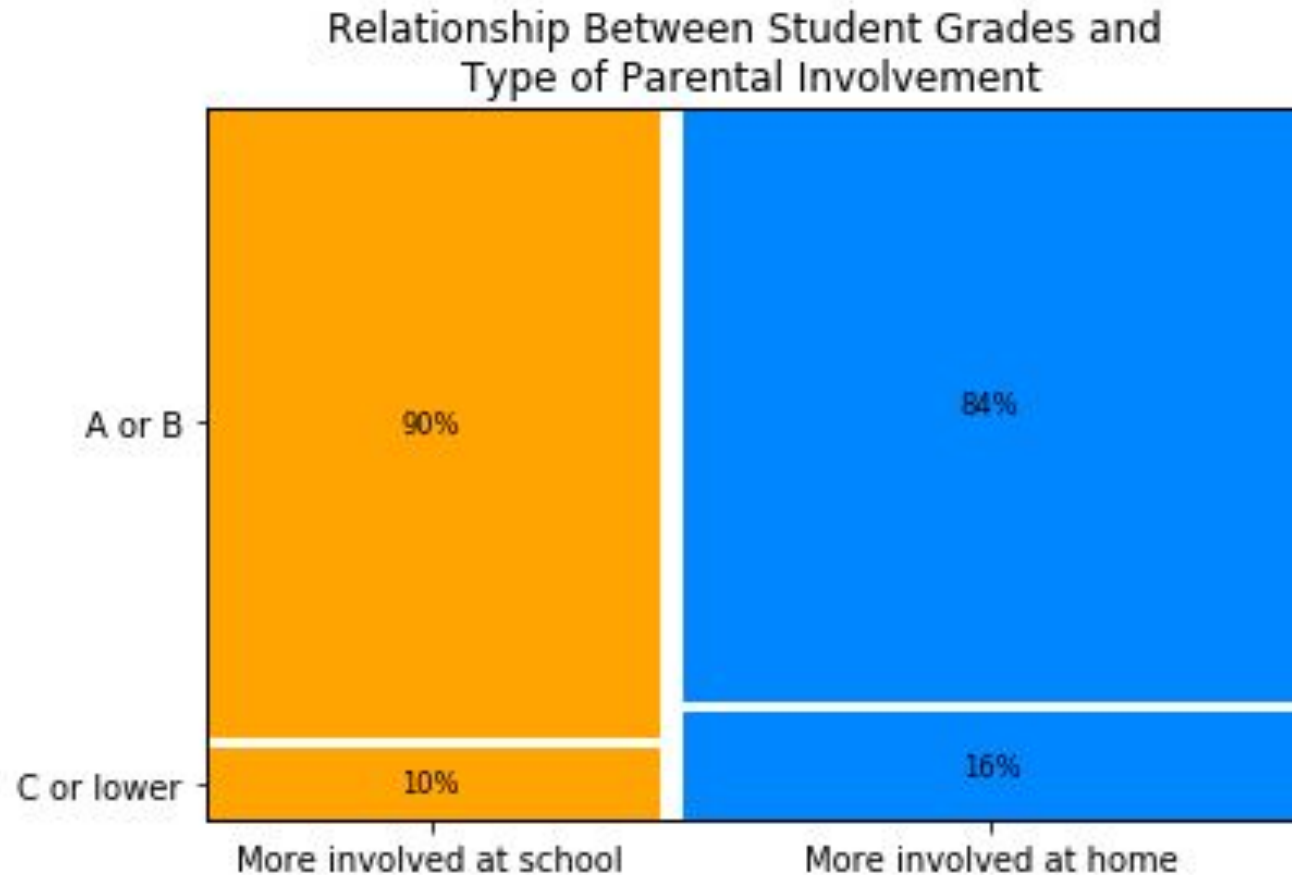➢ **At-home involvement indicator**: 13 dimensions

- ○ Visiting library, museum, zoo etc.
- ○ Reading together
- ○ Discussing culture, time management etc.

Parental involvement matters, but what about the type?

Relationship Between Student Grades and Distribution of Parental Involvement at School

Relationship Between Student Grades and Distribution of Parental Involvement at Home

The type of parental involvement matters too

Relationship Between Student Grades and
Type of Parental Involvement

	More involved at school	More involved at home
A or B	90%	84%
C or lower	10%	16%

Conclusions and next steps

1. There is a correlation between parental involvement and student grades
2. The type of parental involvement matters: At-school involvement appears to be better correlated with higher grades

<u>Going forward:</u>

➢ Fine-tune the composite parental involvement categories
➢ Come up with predictive model
➢ Inferences about the entire population