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EDLD 651 Final Project Draft

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Author Note

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All work done herein represents contributions from all authors equally. Author order is alphabetical.

7 Abstract

8 FILL IN ABSTRACT IF WANTED

Keywords: keywords

Word count: X

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12 Introduction

We explore proportion of graduation (outcome), across several categorical variables. In particular, we plan to focus on comparisons of two groups who have historically had unequal access to resources: English language learners (ELL) vs. English proficient (EP) students & Special Education (SPED) status vs. non-SPED status.

Not only will we report these outcomes across different groups, we will also explore
these across boroughs, too, to see if these groups are succeeding equally across boroughs—as
measured by graduation outcomes—compared to the English proficient students in their
boroughs.

21 Methods

- 22 We retrieved the data collected by the Department of Education from
- Information about variables, how they were measured here
- Information about regents examinations here

25 Participants

11

- Explain participants' from what we have in data.
- 27 First, we import and clean our data:
- 28 ## Length Class Mode
- 29 ## 385 character character
- 0 ## # A tibble: 6 x 22

31 ## demographic borough cohort total_cohort total_grads_n total_grads_per~

3	32	##	<chr></chr>		<chr></chr>	<dbl></dbl>	<int></int>	<int></int>	<dbl></dbl>
3	33	## 1	Borough	To~	Bronx	2001	11453	4913	42.9
3	34	## 2	Borough	To~	Bronx	2002	12032	5328	44.3
3	35	## 3	Borough	To~	Bronx	2003	13632	6389	46.9
3	36	## 4	Borough	To~	Bronx	2004	14364	7448	51.9

```
## 5 Borough To~ Bronx
                              2005
                                           15175
                                                          8229
                                                                            54.2
                                                                            54.7
  ## 6 Borough To~ Bronx
                              2006
                                           15579
                                                          8524
  ## # ... with 16 more variables: total regents n <int>,
         total regents percent of cohort <dbl>,
  ## #
  ## #
         total_regents_percent_of_grads <dbl>, advanced_regents_n <int>,
         advanced regents percent of cohort <dbl>,
  ## #
         advanced regents percent of grads <dbl>, regents w o advanced n <int>,
  ## #
43
  ## #
         regents_w_o_advanced_percent_of_cohort <dbl>,
         regents w o advanced percent of grads <dbl>, local n <int>,
  ## #
          local percent of cohort <dbl>, local percent of grads <dbl>,
  ## #
46
          still enrolled n <int>, still enrolled percent of cohort <dbl>,
  ## #
47
         dropped out n <int>, dropped out percent of cohort <dbl>
  ## #
48
```

The data we are starting with are already tidy, but for the purposes of demonstrating our rather acute proficiency in our *ability* to tidy data, in this segment will make the data untidy and then tidy it once more.

PIVOTS

Now that we have tidied the entire dataset, we can focus on our variables of interest:

enrollment and graduation for specific boroughs, cohorts and demographics.

55 ## # A tibble: 6 x 16

demographic borough cohort total_cohort total_grads_n total_grads_per~ local_n

57	##	<chr></chr>	<chr></chr>	<dbl></dbl>	<int></int>	<int></int>	<dbl></dbl>	<int></int>
58	## 1	English La	~ Bronx	2001	1984	388	19.6	311
59	## 2	English La	~ Bronx	2002	1693	333	19.7	257
60	## 3	English La	~ Bronx	2003	1905	391	20.5	296
61	## 4	English La	~ Bronx	2004	1894	640	33.8	426
62	## 5	English La	~ Bronx	2005	1940	694	35.8	377
63	## 6	English La	~ Bronx	2006	2143	791	36.9	395

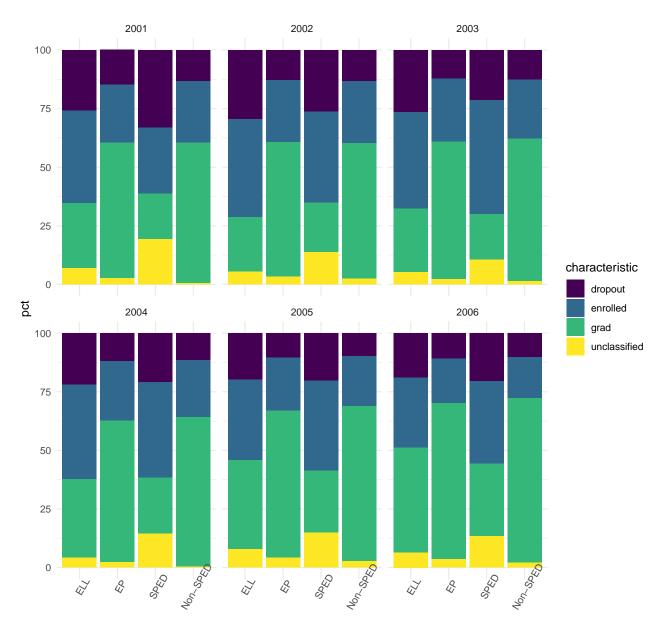
^{## # ...} with 9 more variables: local_percent_of_cohort <dbl>,

^{## #} local_percent_of_grads <dbl>, still_enrolled_n <int>,

^{## #} still_enrolled_percent_of_cohort <dbl>, dropped_out_n <int>,

^{67 ## #} dropped_out_percent_of_cohort <dbl>, student_characteristic <fct>,

^{## #} unclassified_n <int>, unclassified_percent_of_cohort <dbl>



student_characteristic

70 Data analysis

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All analysis were conducted in R, with heavy reliance upon the {tidyverse} packages to manipulate and visualize the data.

Results
Figure 1. Graduation Rates in NYC by EL Status
Dashed lines represent Borough average for each group

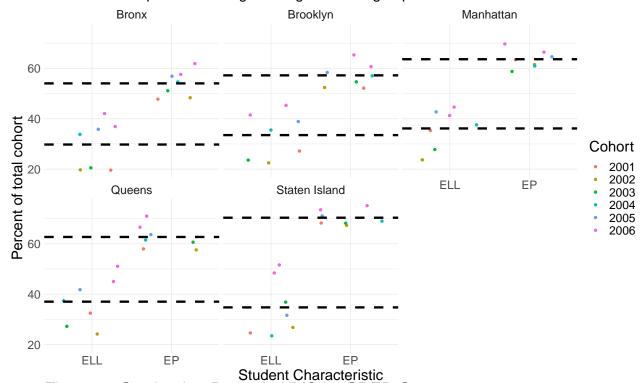
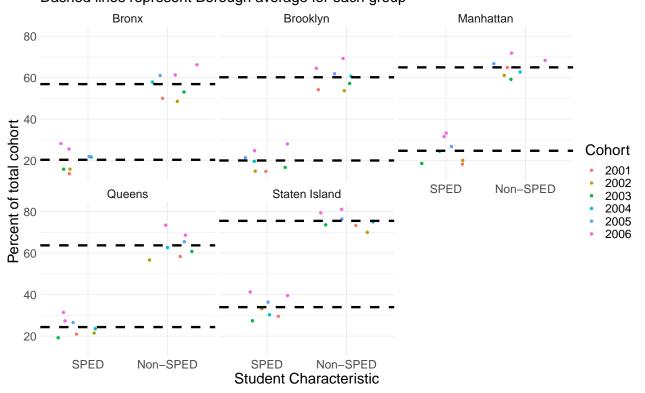


Figure 2. Graduation Rates in NYC by SPED Status
Dashed lines represent Borough average for each group



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76 Discussion

Differences appear to be blah by blah for blah. XYZ boroughs should consider blah blah, based on the results. Inferential tests are recommended for next directions.

79 References