

**College and Career Readiness in Charlotte, NC: An Analysis on Academic  
Performance, Career Readiness, and Upward Mobility.**

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**Overview**

**Table 1**

*Codebook*

Variable	Information		
	Years <sup>a</sup>	Type	Description
agency_code	N/A	Text	Unique six digit school identifier code. All begin with '600' digits
school	N/A	Text	Name of the school.
zip_code	N/A	Text	Zip code of the school.
year	2011–2021	Discrete	Year of data observation
2019_med_hh_inc	2019	Discrete	2019 Median Household Income by Zip Code
int_pubsr	2011–2020	Continuous	Percentage of high school graduates with intention to enroll in a public senior institution
int_commcoll	2011–2020	Continuous	Percentage of high school graduates with intention to enroll in a community or technical college
int_trdbusnrs	2011–2020	Continuous	Percentage of high school graduates with intention to enter trade, business, or nursing
AP_pass_pct	2014–2020	Continuous	Percentage of high school students that are enrolled in Advanced Placement classes
AP_part_pct	2014–2020	Continuous	Percentage of Advanced Placement exams with a score of 3 or better
CTE_cred_pct	2018–2020	Continuous	Percentage of high school students enrolled in Career and Technical Education courses

*Note.* Table continued on next page.

<sup>a</sup>Year refers to end of school year. 2011 refers to the 2010–11 school year.

**Table 1***Codebook (continued)*

Variable	Information		
	Years	Type	Description
CTE_enroll_pct	2018–2020	Continuous	Percentage of credentials earned by students enrolled in Career and Technical Education courses
enroll_Disadvantaged	2011–2019	Continuous	Percentage of economically disadvantaged high school graduates enrolling in college

<sup>a</sup>Year refers to end of school year. 2011 refers to the 2010–11 school year.

**Table 2***Summary Statistics*

Variable	Statistics					
	Non-Missing Count	Mean	Std	Min	Max	Missing
AP_pass_pct	195	0.406	0.23	0.05	0.87	42.14 %
AP_part_pct	195	0.219	0.125	0	0.72	42.14 %
int_commcoll	337	0.35	0.162	0	1	0 %
int_pubsr	337	0.398	0.181	0	1	0 %
int_trdbusnrs	337	0.016	0.02	0	0.139	0 %
CTE_cred_pct	24	0.143	0.14	0	0.54	92.878 %
CTE_enroll_pct	78	0.661	0.148	0.221	0.98	76.86 %
enroll_Disadvantaged	209	0.378	0.219	0	0.919	37.982 %

## Hypotheses

**Hypothesis 1** *As the number and quality of mentors increase, there will be an increase in academic performance and college acceptance rates for low-socioeconomic students.*

**Hypothesis 2** *As the quality and number of mentors increase, there will be an increase in obtained CTE Credentials by students within Charlotte Mecklenburg County Schools.*

## Data Description

### Analysis

### Conclusion

## Appendix