Consulting Class Check-in (9/24/2018-10/9/2018)

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| Project title | The Impact of Charter Schools on Public Education – Academic and Diversity |
| Consulting team members | Chansoo Song, Frankie Wunschel, Erik Wang |
| Summary of activities | * Met with Client (Ying) to discuss deliverables, initial strategies, high-level goals * Received Data from Client * We will be attending the GIS workshop on Tuesday from 2:30-4:00pm |
| Summary of accomplishment | * Compiled comprehensive data set for school data (public and charter, math and english) with location (longitude and latitude) for each school * Compiled inventory spreadsheet of data available (For each DBN in 2012-2017, columns indicate (a) whether location is available, whether (b) math or ELA scores are available, whether schools is (c) charter or public, (d) grades, and (e) year of scores * Downloaded ACS Census Data (2016 5-yr) * Github repository (this might be best place to check our progress): https://github.com/chansooligans/charter\_school\_project * Just as practice, plotted NYC schools in year 2015 on a map in R, using different labels for charter vs public and a color scale to show mean math scores * Literature Review (Read/Skimmed ones in BLUE)   + CREDO Report: Charter School Performance in 2017   + Manhattan Institute (2018): New York City’s Charter Schools: What the Research Shows   + Brookings (2018): Charter School growth puts fiscal pressure on traditional public schools   + Ladd, Singleton (2017). Working Paper No. 261: “The Fiscal Externalities of Charter Schools: Evidence from North Carolina”. *Economic Research Initiatives at Duke (ERID)*   + Cordes (2017). “In Pursuit of the Common Good: The Spillover Effects of Charter Schools on Public School Students in New York City”. *Education Finance and Policy*   + Ni (2009). “The impact of charter schools on the efficiency of traditional public schools: Evidence from Michigan”. *Economics of Education Review*   + Imberman (2011). “The Effect of Charter Schools on Achievement and Behavior of Public School Students”. *Journal of Public Economics*   + Silvernail (2014). “The Impacts of Public Charter Schools on Students and Traditional Public Schools: What Does the Empirical Evidence Tell us?” |
| Any challenges? | * Getting school zone–level demographics of residents in those areas may not be possible. We can get demographics by zip code through Open Data but only for 2018 (but maybe demographics trends are pretty stable over past 5 years and we can just use 2018 data). Also, the student demographics are important and we have that. The residents’ demographics are not so necessary. |
| Team and individual plan for next two weeks | * Start using GIS. We will have attended the training session on Tuesday. Start thinking more precisely about what we want to show |