Governor Cuomo's COVID Updates, an NLP Analysis

November 13, 2020 Gavin Jones

Transcripts:

 Gov. Cuomo provided daily updates from March 10th through October 26th



Andrew Cuomo New York Coronavirus Press Conference Transcript: March 16

· 8 months ago

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- Main mode of communication for the Governor's office to residents of New York State, chronicled policymaking as one of the first US states dealing with the pandemic

Analysis performed

- SpaCy:
 - Lemmatized
 - Part of Speech Nouns and Adjectives

- Stop Words:
 - Standard english stop words, in addition to common words such as 'New York City' and 'COVID'

- Conducted LDA, seperating into eight topics

Topics:

- Stats Driven Predictions & Planning: question, school, test, rate, testing, infection, case, positive, plan, hospitalization, antibody, datum, fact, high, news
- Politicized COVID Issues: ventilator, federal, government, hospital, projection, model, bed, president, stockpile, supply, vaccine, governor, mask, month, equipment
- Political Banter: line, guy, smart, doctor, tough, question, open, government, life, family, mask, store, job, economy, old
- **Reopening:**sorry, budget, mask, money, operator, federal, unemployment, quarantine, question, year, mayor, gym, indoor, governor, beach

Topics Cont'd:

- Essential Services:

governor, hospital, worker, essential, business, train, public, work, subway, service, phase, region, death, healthcare, homeless

- State Mandates:

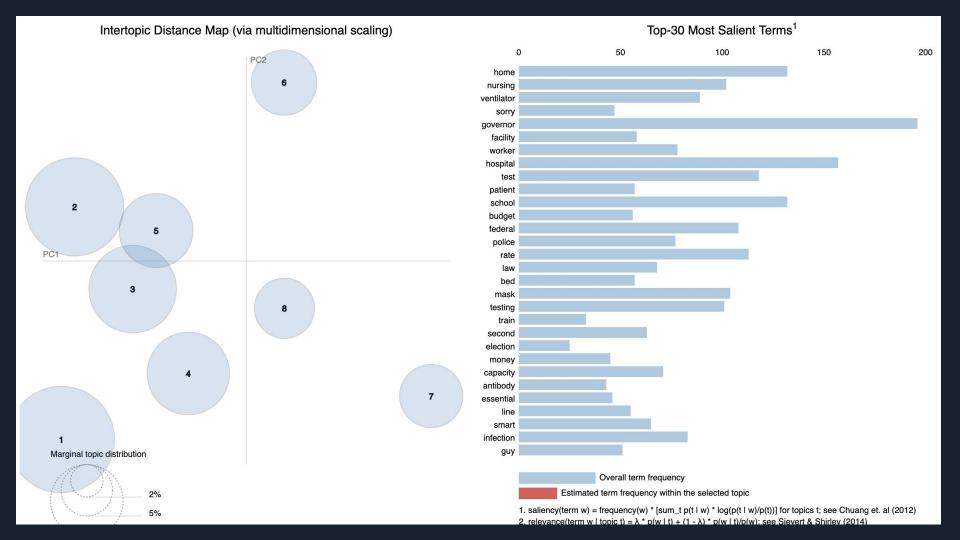
home, nursing, facility, patient, second, resident, rule, answer, care, staff, park, governor, wave, regulation, sense

- Enforcement & Opposition:

police, law, local, government, fact, point, enforcement, change, situation, community, issue, compliance, moment, department, decision

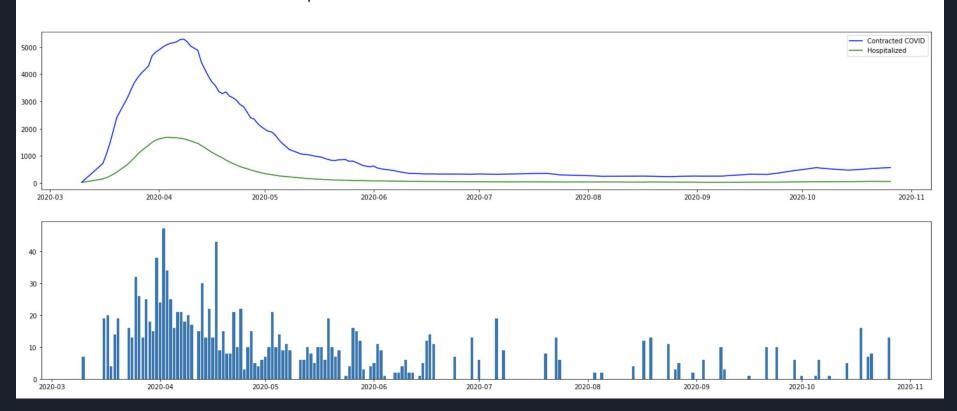
- Election Related COVID Commentary:

election, capacity, bed, contact, test, tomorrow, timeline, testing, icu, question, ballot, lot, board, region, temporary

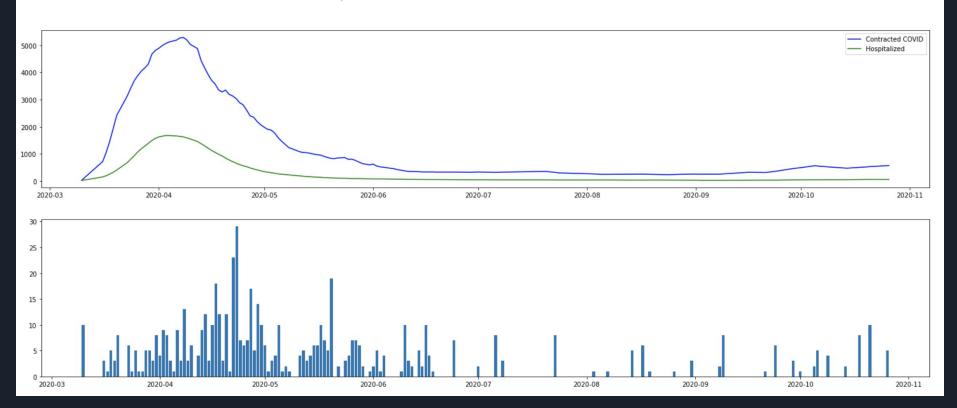


Results

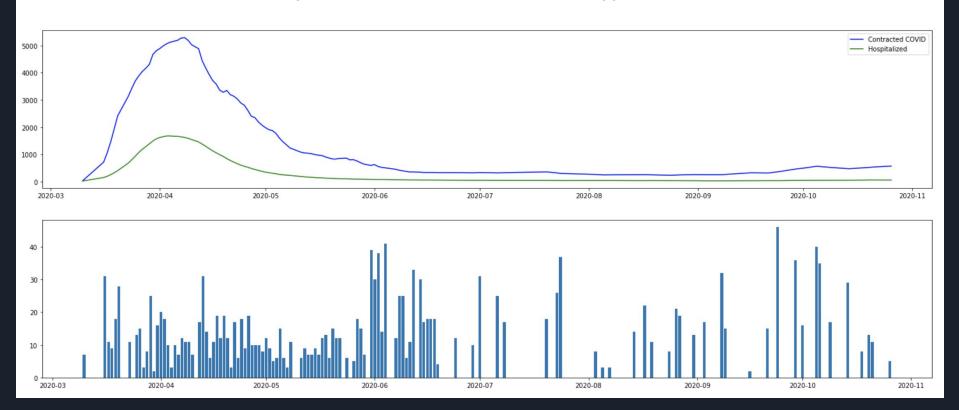
Hospitalization Stats Vs. Politicized COVID Issues



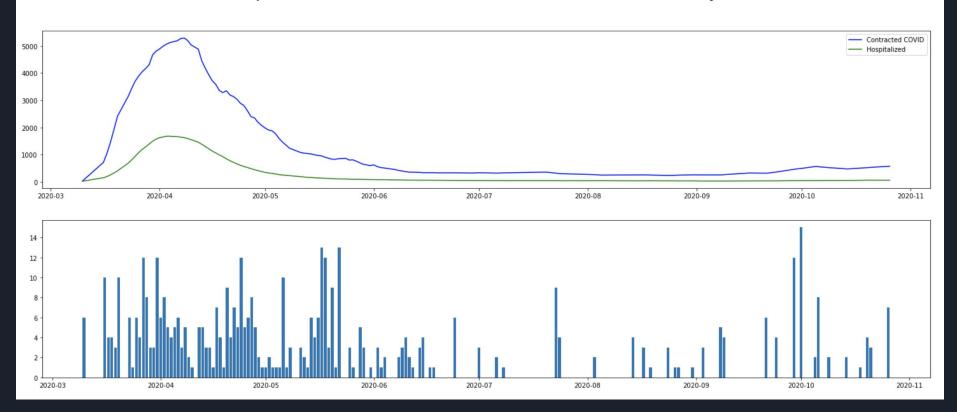
Hospitalization Stats Vs. State Mandates



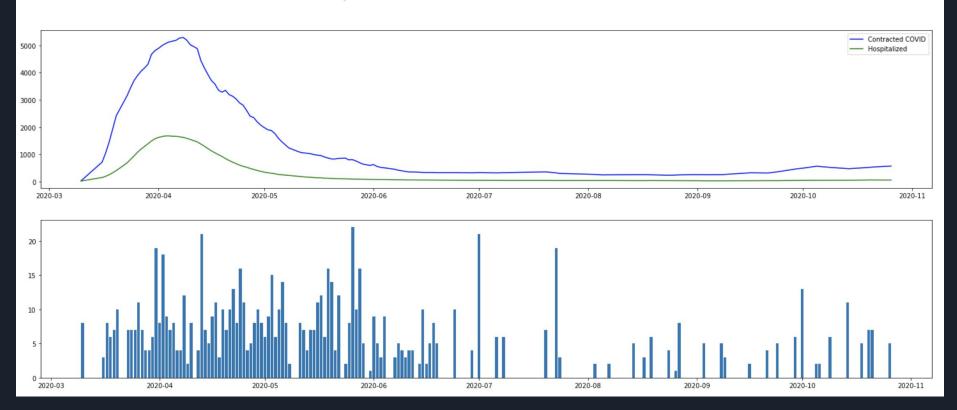
Hospitalization Stats Vs. Enforcement & Opposition



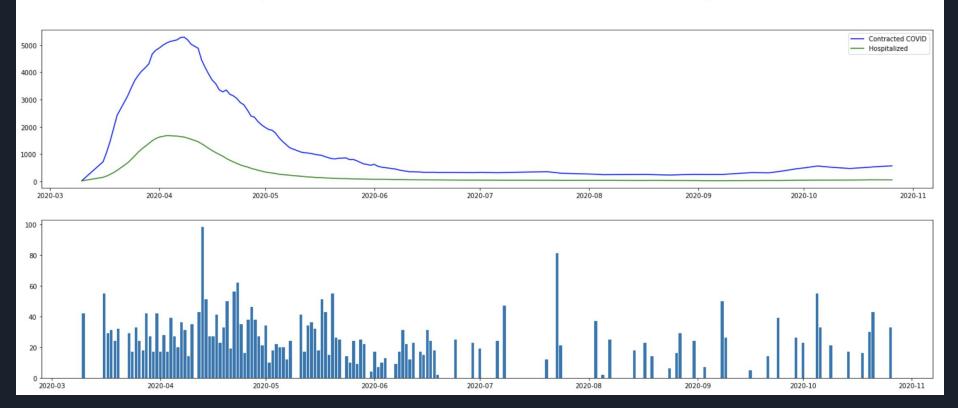
Hospitalization Stats Vs. Election Related COVID Commentary



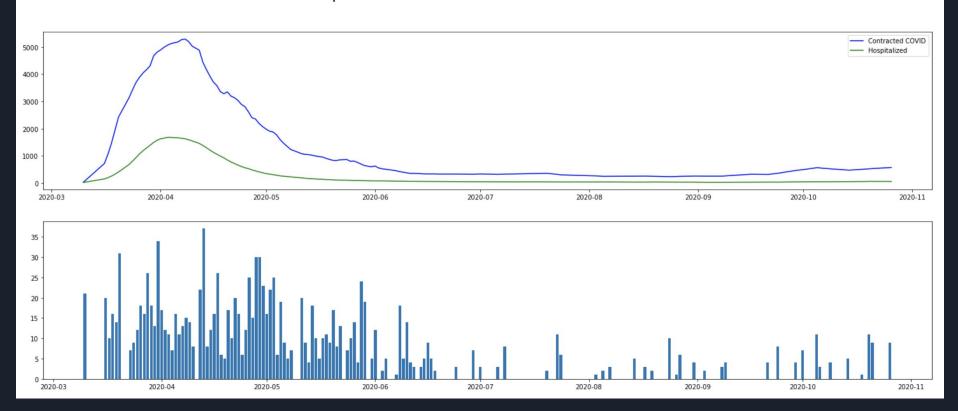
Hospitalization Stats Vs. Political Banter



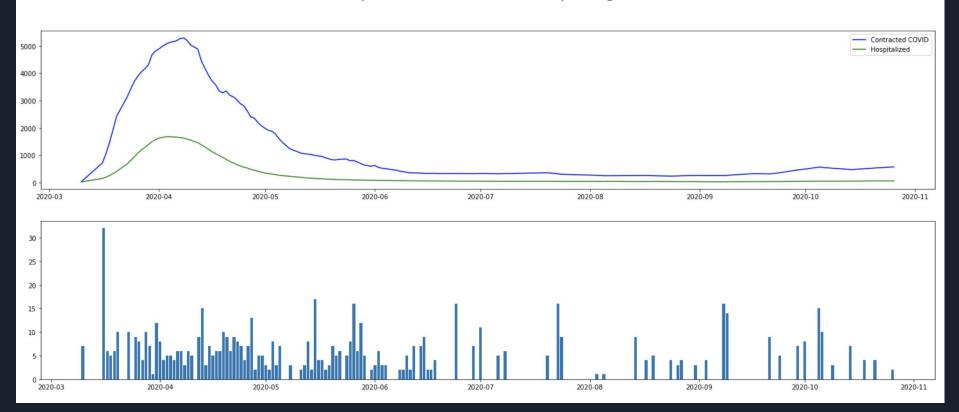
Hospitalization Stats Vs. Stats Driven Predictions & Planning



Hospitalization Stats Vs. Essential Services



Hospitalization Stats Vs. Reopening



Questions?

Appendix: Timeline of Events

January 11, 2020	China reports first COVID-19 death
January 21, 2020	First confirmed COVID-19 case in the U.S.
January 30, 2020	The W.H.O. declares a global health emergency
February 29, 2020	First reported COVID-19 death in the U.S.
March 1, 2020	First COVID-19 case in New York State
March 7, 2020	NY Governor Andrew Cuomo declares a state of emergency
March 8, 2020	NYC issues guidelines to avoid densely packed buses, subways, or trains
March 10, 2020	Governor Cuomo orders containment zone in New Rochelle from March 12 to 25
March 12, 2020	Events with more than 500 people must be cancelled or postponed
March 12, 2020	Broadway shuts down
March 13, 2020	President Trump declares a national emergency
March 14, 2020	First two COVID-19 deaths in NYS
March 15, 2020	C.D.C. recommendeds no gatherings of 50+ in the U.S.
March 16, 2020	NYC public schools close
March 17, 2020	NYC bars and restaurants close, except for delivery
March 22, 2020	NYS on Pause Program begins, all non-essential workers must stay home
March 27, 2020	President signs the CARES Act
March 27, 2020	U.S. reaches the most COVID-19 cases in the world
March 28, 2020	Governor Cuomo halts all nonessential construction sites in NYS
March 30, 2020	USNS Comfort arrives in NYC
March 31, 2020	NYC passes 1,000 COVID-19 deaths

April 6, 2020	Governor Cuomo extends NYS's stay-at-home order and school closures to April 29
April 10, 2020	NYS records more COVID19 cases than any other country (besides U.S.)
April 15, 2020	Governor Cuomo requires face masks or coverings in public places
April 16, 2020	Governor Cuomo extends NYS's stay-at-home order and school closures to May 15
April 30, 2020	Governor Cuomo announces NYC subway closures from 1 a.m. to 5 a.m.
May 1, 2020	Governor Cuomo closes all schools for the remainder of the academic year
May 7, 2020	Governor Cuomo extends PAUSE order to June 6, but will allow counties to open by May 15 if they meet qualifications
May 14, 2020	Governor Cuomo extends PAUSE order to May 28 for NYC and regions not meeting requirements to reopen
May 14, 2020	State of emergency for NYS extended to June 13
May 15, 2020	Governor Cuomo allows drive-in theaters, landscaping, and low-risk recreational activities to reopen
May 23, 2020	Governor Cuomo allows gatherings of up to 10 people with social distancing
May 27, 2020	U.S. COVID-19 deaths pass 100,000
June 8, 2020	NYC begins Phase 1 reopening
June 22, 2020	NYC begins phase 2 of reopening
June 24, 2020	NY, NJ and CT require travelers to self-quarantine for 14 days if traveling from hot spots

Appendix: Timeline of Events

July 6, 2020	U.S. COVID-19 deaths surpass 130,000
July 6, 2020	NYC begins Phase 3 of reopening, without indoor dining
July 19, 2020	NYC begins Phase 4 reopening, excluding malls, museums and indoor dining/bars
July 24, 2020	NYC reports 227,517 COVID-19 cases and 22,934 deaths to date
August 4, 2020	NYC's health commissioner, Dr. Oxiris Barbot, resigns after voicing "deep disappointment" with Mayor Bill de Blasio's handling of the pandemic
September 2, 2020	Gyms in NYC reopen, but indoor group workouts and pools stay closed
September 8, 2020	Sheriff deputies begin stopping buses headed to Port Authority from hot spots, requiring quarantine forms to be signed
September 9, 2020	Malls in NYC reopen at 50% capacity with no indoor dining. Casinos reopen across NYS at 25% capacity.
September 16, 2020	Mayor de Blasio furloughs his City Hall staff, including himself
September 21, 2020	Pre-K and advanced special-needs classes begin in-person learning in NYC
September 27, 2020	The union representing NYC principals and school administrators delivers a unanimous "no confidence" vote days before students are set to return to schools
September 29, 2020	Elementary students return to public school classrooms across NYC
September 30, 2020	Indoor dining in NYC resumes with a 25% occupancy limit

October 1, 2020	NYC middle and high schools begin in-person learning.
October 2, 2020	President Donald Trump and first lady Melania Trump test positive for coronavirus
October 4, 2020	Mayor de Blasio says all schools and non-essential businesses will close in nine zip codes in Brooklyn and Queens, if approved by the state
October 5, 2020	NYC reports 252,000 COVID-19 cases and 23,861 deaths to date