

NYC BENEFITS AND PROGRAMS & NYC CITY COUNCIL DATA

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DATA EXTRACTION

- APIs taken from NYC Open Data

<https://data.cityofnewyork.us/resource/kvhd-5fmu.json> & <https://data.cityofnewyork.us/resource/aabe-yfm9.json>

- Apipheny add-on Google Sheets
- Downloaded as CSV
- Uploaded in Jupyter Notebook with Pandas

DATA SUMMARIZATION

Benefits and Programs

- List of 102 benefits and programs available to NYC residents
- Every benefit and program is ran by a government agency for specific groups of people
- API created 4/26/2019 and updated weekly
- Dataset includes program categories, population served, and summary descriptions

<https://data.cityofnewyork.us/Social-Services/Benefits-and-Programs-API/kvhd-5fmu>

City Council

- Oversee NYC functions such as human services, infrastructure, and government affairs
- Every committee has Chair Council Member with a minimum of 5 members and meets minimum of once per month
- API created 1/1/2018 and updated weekly
- Dataset includes names of each member with their committee, starting date, and ending date

<https://data.cityofnewyork.us/City-Government/NYC-City-Council-Committee-Membership/aabe-yfm9>

DATA CLEANING

- Two csv files Jupyter Notebook Python 3
- Deleted columns and timestamp with unnecessary information
- Benefits and Programs dataframe = qualitative 102 rows x 12 columns
City Council dataframe = quantitative 402 rows x 11 columns

df_benefits.dtypes

unique_id	object
program_name	object
program_acronym	object
page_type	object
program_category	object
government_agency	object
population_served	object
plain_language_program_name	object
program_description	object
brief_excerpt	object
heads_up	object
plain_language_eligibility	object
dtype:	object

df_council.dtypes

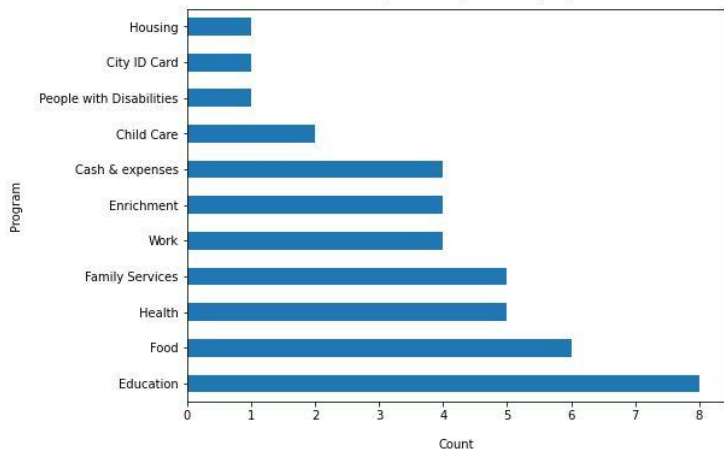
id	int64
memberid	int64
firstname	object
lastname	object
committeeid	int64
committeename	object
committee_active	bool
title	object
memberactive	bool
startdate	object
enddate	object
dtype:	object

DATA EXPLORATION

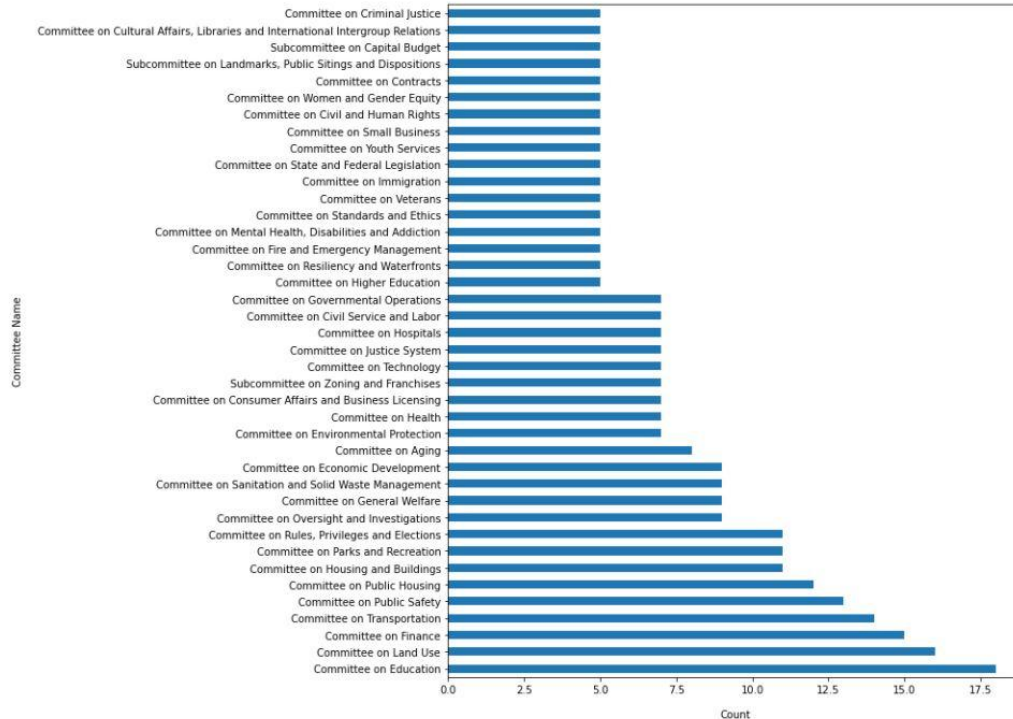
Benefits and Programs

City Council

Count of Program Categories in Top Agencies

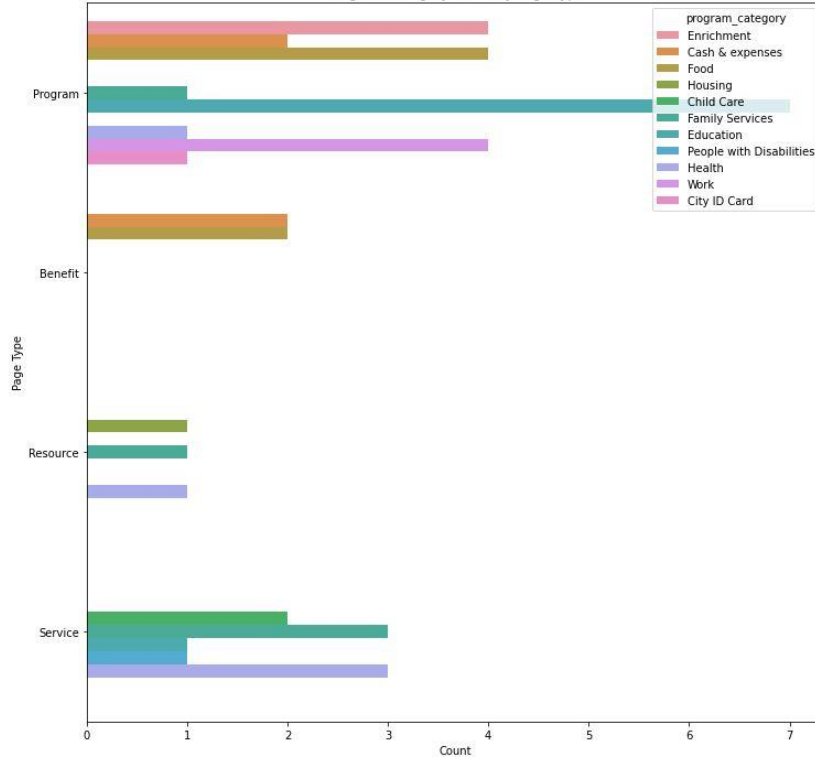


Count of Active Members in Active Committees

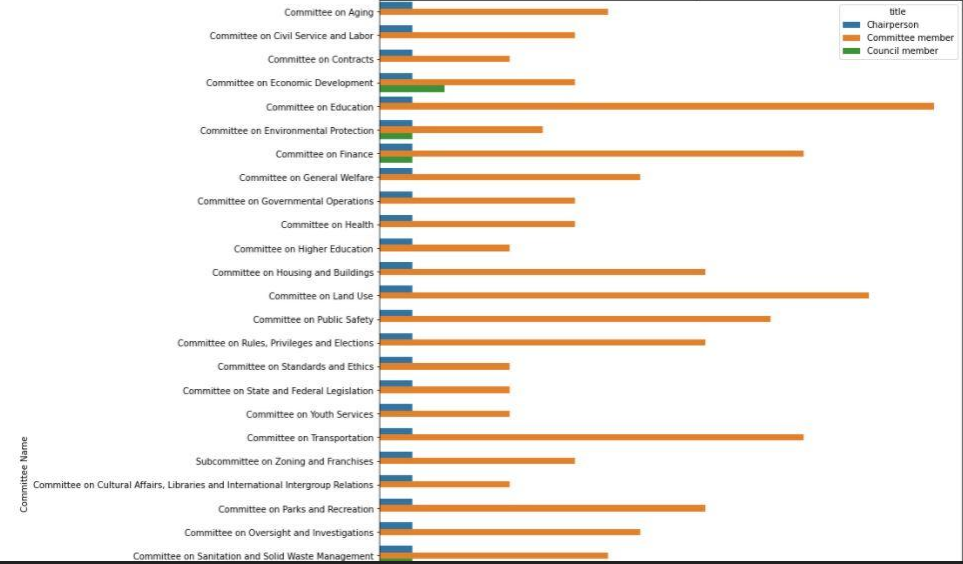


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Program Category Count by Page Type



Member Title Count by Committee



OVERALL FINDINGS

- 13% of NYC agencies produce 50% of the benefits and programs. These six agencies include; NYC Department of Education, NYC HR Administration, NYC Department of Youth & Community Dev, NYC DOHMH, NYC Health & Hospitals, and NYS DOH
- NYC spends a lot of resources on education. The category with the most benefits and programs is education. The city council with the most members is education.
- The majority of benefits/programs available to NYC residents are programs with education being the most frequent. There are resources and services with education as well.
- Majority of committees are active, committees that are no longer active include; Committee on Juvenile Justice, Committee on For-Hire Vehicles, Subcommittee on Planning, Dispositions and Concessions, Subcommittee on Landmarks, and Public Siting and Maritime Use
- 87% are committee members, 12% are chairpersons, and the remaining are council members
- All of the NYC committees have a chairperson and members but only four committees have council members.