

CSCE 5320 Scientific Data Visualization

ICE-5

The Shapes Of Data

1. Create a CSV dataset and create a URL link for your dataset. Submit the URL

The dataset on DC public schools includes markers that indicate the location of public schools in the District of Columbia. Originally developed for use by the DC public schools, the dataset was later incorporated into the DC Geographic Information System by the Office of the Chief Technology Officer. The dataset encompasses all publicly owned schools and learning centers. Private and charter schools are not included in the dataset. The school locations were identified based on information in a database maintained by the DC Public Schools' Office of Facilities Management, and the dataset is current as of the 2018-2019 academic year.

I have downloaded an Excel with DC Public school data.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ		
1	X	Y	OBJECTID	NAME	ADDRESS	FAUCIS	LEVEL	STATUS	PHONE	TOTAL_S	SSL	GIS_ID	WEB_URL	BLDG_NU	MSCH	PRO_CAPITAL	CAPACITY	YEAR_BUILT	SQUARE_FT	POPULAT	LONGITUDE	LATITUDE	SCHOOL	LEA_NAM	LEA_ID	SCHOOL	SCHOOL	GRADES	MARLD	XCOORD	YCOORD	ZIPCODE	PK1	PK2	UN_LCE	FACILITY	
2	-77.034	38.9846	1	Shepherd Elementary S	7800 141st	Elementary ES	Active	202-5784-	361	370	313 N	332	1932	79700	400	-77.034	38.946	2022-2022	District of	1	Shepherd	313 PK-5th	256319	39705	146290	20012	32	36	NULL	DGS_029							
3	-77.023	38.9751	2	Takoma Elementary Sch	7010 PINE	Elementary ES	Active	202-6714-	468	370	324	1 Y	467	1970	115000	450	-77.023	38.975	2022-2022	District of	1	Takoma E	324 PK-8th	25934	389025	145236	20012	31	44	NULL	DGS_072						
4	-77.02	38.9673	3	Coolidge High School	6315 ST H	High Sch/H.S.	Active	202-6714-	346	370	455	455 N	1240	1940	271300	1100	-77.02	38.967	2022-2022	District of	1	Coolidge I	455 9th-12th	294615	398303	144375	20012	NULL	7	000	DGS_071						
5	-77.02	38.9673	4	Early College Academy	6315 ST H	High Sch/H.S.	Active	202-6714-	547	370	455	455 N	1240	1940	271300	1100	-77.02	38.967	2022-2022	District of	1	Coolidge I	455 9th-12th	294615	398303	144375	20012	NULL	NULL	DGS_071							
6	-77.019	38.9669	5	Ide B. Wells Middle Sch	405 SHERIDAN	MS	Active	202-6714-NULL	NULL	370	974	http://www	1071	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL			
7	-77.068	38.9666	6	Lafayette Elementary S	5701 RBC	Elementary ES	Active	202-2624-	761	370	261	1 N	486	1931	113600	550	-77.068	38.966	2022-2022	District of	1	Lafayette	261 PK-5th	294611	39104	144504	20015	NULL	100	NULL	DGS_069						
8	-77.019	38.9659	7	Whitter Elementary Sch	6201 STH	Elementary ES	Active	202-5764-	341	370	332	338 Y	517	1920	66600	600	-77.019	38.965	2022-2022	District of	1	Whitter E	338 PK-8th	294614	398333	144216	20011	26	26	NULL	DGS_070						
9	-77.031	38.9605	8	Brightwood Elementary	1300 NCIC	Elementary ES	Active	202-7224-	722	370	213	213 Y	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL				
10	-77	38.96	9	LaSale-Baciusa Elementary	501 RBC	Elementary ES	Active	202-6714-	369	370	264	264 N	406	1957	63000	425	-77	38.96	2022-2022	District of	1	LaSale-B	264 PK-8th	294489	40010	143563	20011	19	29	NULL	DGS_066						
11	-77.026	38.9584	10	Truestell Elementary S	800 INGR	Elementary ES	Active	202-5764-	679	370	327	327 http://prof	471	1908	69600	450	-77.025	38.954	2022-2022	District of	1	Truestell	327 PK-8th	294497	397827	142897	20011	46	59	NULL	DGS_073						
12	-77.027	38.9529	11	Murchison Elementary Sch	480 130TH	Elementary ES	Active	202-2624-	572	803	287	287 http://www	287	287 N	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL			
13	-77.075	38.9529	12	Deal Middle School	3815 FOR	Middle Sch/MS	Active	202-5939-	1477	370	405	405 N	900	1931	180000	850	-77.075	38.952	2022-2022	District of	1	Deal Mid	405 6th-8th	277548	393462	142780	20016	NULL	NULL	NULL	DGS_052						
14	-77.032	38.9514	13	John Lewis Elementary	1338 GHE	Elementary ES	Active	202-5764-	315	370	336	336 N	281	1970	69600	450	-77.032	38.951	2022-2022	District of	1	West Edu	463 9th-12th	294507	393558	142476	20016	NULL	5	000	DGS_055						
15	-77.078	38.9502	14	Jackson-Reed High Sch	3950 GHE	High Sch/H.S.	Active	202-2624-	1750	370	305	305 http://www	463	463 N	1485	1935	271300	1600	-77.078	38.950	2022-2022	District of	1	Barnard E	205 PK-5th	294305	398459	142255	20011	61	85	NULL	DGS_069				
16	-77.018	38.9502	15	Barnard Elementary Sch	430 DECA	Elementary ES	Active	202-5764-	649	370	254	254 http://www	305	205 N	307	2005	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL			
17	-77.081	38.9476	16	Janney Elementary Sch	4130 ALB	Elementary ES	Active	202-5764-	722	370	254	254 http://www	364	1920	98200	550	-77.081	38.947	2022-2022	District of	1	Janney E	254 PK-5th	285713	392979	142427	20016	NULL	79	NULL	DGS_058						
18	-77.024	38.9476	17	Deerfield Elementary Sch	4170 11TH	Elementary ES	Active	202-5764-	1710	370	319	319 NULL	570	1910	69600	450	-77.024	38.947	2022-2022	District of	1	Deerfield	540 6th-8th	294501	398309	142420	20016	52	86	NULL	DGS_070						
19	-77.024	38.9436	18	MacFarland Elementary Sch	44400 GLEN	Elementary ES	Active	202-5764-	1714	370	420	420 NULL	570	1910	69600	450	-77.023	38.943	2022-2022	District of	1	MacFarland	420 6th-8th	294559	397592	141747	20011	NULL	NULL	NULL	DGS_061						
20	-77.024	38.9435	19	Rowe-Hill High School	4501 13TH	High Sch/H.S.	Active	202-5764-	689	370	455	455 http://prof	459	1910	1055	331900	1100	-77.023	38.943	2022-2022	District of	1	Rowe-Hill	459 9th-12th	253095	397469	141602	20011	NULL	7	000	DGS_061					
21	-77.024	38.9434	20	Rosewell High School	4501 13TH	Youth Enr STAY	Active	202-5764-	688	370	319	319 http://www	458	458 N	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL			
22	-77.082	38.9434	21	Bunker Hill STAY	4501 13TH	Youth Enr STAY	Active	202-5764-	196	370	346	346 http://prof	219	346 N	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL			
23	-77.031	38.9415	22	Powell Elementary Sch	1350 UTT	Elementary ES	Active	202-4714-	534	370	303	303 http://www	300	300 N	304	1925	38500	325	-77.031	38.9415	2022-2022	District of	1	Powell E	300 PK-5th	25502	397293	141516	20011	50	49	NULL	DGS_028				
24	-77.072	38.9407	23	Hearst Elementary Sch	3950 37TH	Elementary ES	Active	202-2624-	302	370	254	254 http://www	258	258 N	181	1932	17400	325	-77.072	38.9407	2022-2022	District of	1	Hearst E	258 PK-5th	294586	393762	141428	20008	2	43	NULL	DGS_055				
25	-76.991	38.9385	24	Brookland Middle School	1150 MCI	Middle Sch/MS	Active	202-5764-	574	370	254	254 http://www	347	975 N	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL			
26	-77.026	38.9358	25	Raymond Elementary	5 915 SPRIN	Elementary ES	Active	202-5764-	613	370	302	302 N	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
27	-77.021	38.9344	26	Bruce-Morroe Elementary	3500 VAI	Elementary ES	Active	202-5764-	473	370	298	298 N	607	1910	69600	450	-77.021	38.934	2022-2022	District of	1	Bruce-Morroe	298 PK-5th	294583	398163	140723	2010	42	57	NULL	DGS_053						
28	-77.041	38.9343	27	Bancroft Elementary Sch	1755 NEV	Elementary ES	Active	202-4737-	530	370	204	204 NULL	570	1910	69600	450	-77.041	38.934	2022-2022	District of	1	Bancroft I	204 PK-5th	294526	396484	140716	2010	44	58	NULL	DGS_034						
29	-77.088	38.9343	28	Mann Elementary Sch	4430 NEV	Elementary ES	Active	202-2624-	373	370	273	273 http://www	273	273 N	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
30	-76.978	38.9335	29	Burroughs Elementary Sch	1820 MOI	Elementary ES	Active	202-5764-	296	370	220	220 http://www	474	1900	63900	450	-76.978	38.933	2022-2022	District of	1	Burroughs	220 PK-5th	294535	397335	140716	2016	NULL	40	NULL	DGS_061						
31	-77.068	38.9327	30	Eaton Elementary Sch	3301 LOV	Elementary ES	Active	202-2624-	477	370	233	233 http://www	418	1911	49100	400	-77.068	38.932	2022-2022	District of	1	Eaton E	232 PK-5th	294562	394293	140540	2008	NULL	36	NULL	DGS_050						
32	-76.992	38.9293	31	Luke C. High Sch	1001 MOI	Youth Enr YE	Active	202-2621-	300	370	884	884 http://prof	884	884 N	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL			
33	-77.036	38.9296	32	Colombia Heights Educ	3101 16TH	Education MS	Active	202-5939-	1336	370	442	442 http://www	475	475 N	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
34	-77.036	38.9296	33	Colombia Heights Educ	3103 16TH	Education HS	Active	202-5939-	1336	370	442	442 http://www	442	475 N	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL		
35	-77.029	38.9292	34	Tubman Elementary Sch	3101 13TH	Elementary ES	Active	202-6737-	542	370	328	328 http://prof	328	328 N	607	1970	66600	450	-77.029	38.929	2022-2022	District of	1	Tubman E	328 PK-5th	294555	397447	140147	2010	39	34	NULL	DGS_047				
36	-77.101	38.9292	35	Key Elementary School	5001 DAU	Elementary ES	Active	202-729-	397	370	272	272 http://key	272	272 N	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
37	-76.992	38.9292	36	Noyes Elementary Sch	2725 10TH	Elementary ES																															

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DC_Public_Schools.csv X

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1 X,Y,OBJECTID,NAME,ADDRESS,FAUCE,LEVEL ,STATUS,PHONE,TOTAL_STUD,SSL,GIS_ID,WEB_URL,BLDG_NUM,SCH_PROG,CAPITALGAINS,CAPACITY,_YEAR_BUILT,SQUARE_FOOTAGE,POPULATION_PLAN,LONGI
2 -77.033997515858,38.9846107538876,1,Shepherd Elementary School,7800 14TH STREET NW,Elementary School,ES,Active,202-576-6148,361,,dcps_313,http://www.shepherd-elementary.
3 -77.0227972114971,38.97505933430188,2,Takoma Elementary School,7010 PINEY BRANCH ROAD NW,Elementary School,ES,Active,202-671-6950,468,,dcps_3241,http://www.takomaes.us/,3
4 -77.0195895300924,38.9672920127715,3,Coolidge High School,6315 5TH STREET NW,High School,HS,Active,202-671-6880,346,,dcps_455,http://www.coolidgehs.org/,455,455,N,1240,
5 -77.0195895300924,38.9672920127715,4,Early College Academy at Coolidge High School,6315 5TH STREET NW,High School/Specialized,HS,Active,202-671-6086,547,,dcps_456,http://
6 -77.019240841983,38.9668628214318,5,iDEB B. Wells Middle School,409 SHERIDAN STREET NW,Middle School,MS,Active,202-671-6693,NULL,dcps_974,http://msm.schoolfusion
7 -77.0680394194031,38.9666350188107,6,Lafayette Elementary School,5701 BROAD BRANCH ROAD NW,Elementary School,ES,Active,202-282-0116,761,,dcps_261,http://www.lafayetteehs
8 -77.019240841983,38.9668628214318,7,Whittier Elementary School,6201 5TH STREET NW,Elementary School,ES,Active,202-576-6156,341,,dcps_338,http://www.whittierhs.org/,338,
9 -77.0306911314805,38.9605431911924,8,Brightwood Elementary School,1308 NICHOLSON STREET NW,Elementary School,ES,Active,202-722-5670,755,,dcps_213,http://www.brightwoodes
10 -77.0305435214428,38.9597960993581,9,LaSalle-Buckus Elementary School,501 RIGGS,Elementary School,ES,Active,202-671-6340,369,,dcps_264,http://www.lasallebackus.c
11 -77.0250738590133,38.9539761553136,10,Truesdell Elementary School,800 INGRAM STREET NW,Elementary School,ES,Active,202-576-6202,679,,dcps_327,http://profiles.dcps.dc.g
12 -77.027786912709,38.946159783387,11,Murch Elementary School,4810 36TH STREET NW,Elementary School,ES,Active,202-282-0130,572,0883,dcps_287,http://www.murchool.org,287
13 -77.0752013665178,38.9529042028224,12,Deaf Middle School,3815 FORT DRIVE NW,Middle School,MS,Active,202-939-2018,1477,,dcps_405,http://alicedeaf.org/,405,405,N,900,1931,
14 -77.0322553407865,38.9513748773787,13,John Lewis Elementary School,1338 FARRAGUT STREET NW,Elementary School,ES,Active,202-576-6226,315,,dcps_336,http://www.westschool.o
15 -77.0777779847722,38.950136484466,14,Jackson-Reed High School (formerly Wilson HS),3950 CHESAPEAKE STREET NW,High School,HS,Active,202-282-0126,1750,NULL,dcps_463,http://
16 -77.0177793664952,38.9482384107565,15,Barnard Elementary School,430 DECATOR STREET NW,Elementary School,ES,Active,202-576-1100,649,,dcps_205,http://www.myschooldc.org/sc
17 -77.088997198793,38.9597960993581,16,Janney Elementary School,4138 ALEXANDRIA STREET NW,Elementary School,ES,Active,202-282-0110,722,,dcps_254,http://www.janneyschool.or
18 -77.0305435214428,38.944782372598,17,Dorothy I. Height Elementary School,1300 ALLISON STREET NW,Elementary School,ES,Active,202-723-4100,518,NULL,dcps_977,http://www.dor
19 -77.0277786912709,38.946159783387,18,MacFarland Middle School,4400 IOWA AVENUE NW,Middle School,MS,Active,202-671-6033,69,NULL,dcps_973,http://profiles.dcps.dc.gov/MacFa
20 -77.0292021783324,38.9430400197737,19,Roosevelt High School,4301 13TH STREET NW,High School,HS,Active,202-576-6130,668,,dcps_459,http://profiles.dcps.dc.gov/RooseveltHi
21 -77.0292021783324,38.9430400197737,20,Roosevelt STAY HIGH School ,4301 13TH STREET NW,Youth Engagement,STAY,Active,202-576-8399,668,,dcps_913,http://www.rooseveltstay.or
22 -76.9849976287947,38.942020057392,21,Bunker Hill Elementary School,1401 MICHIGAN AVENUE NE,Elementary School,ES,Active,202-576-6095,195,,dcps_346,http://profiles.dcps.dc
23 -77.0312295424483,38.9415180435372,22,Powell Elementary School,1150 UPHILL STREET NW,Elementary School,ES,Active,202-671-6270,534,,dcps_300,http://www.powellhilinguale
24 -77.0719575161802,38.9407301065624,23,Hearst Elementary School,3950 37TH STREET NW,Elementary School,ES,Active,202-282-0106,312,,dcps_258,http://www.hearstes.org/,258,25
25 -76.9910617741642,38.9384831305545,24,Brookland Middle School,1150 MICHIGAN AVENUE NE,Middle School,MS,Active,202-576-6095,254,,dcps_975,https://brooklandms.wordpress.co
26 -77.0264349424483,38.935818655273,25,Raymond Elementary School,915 SPRING ROAD NW,Elementary School,ES,Active,202-576-6236,613,,dcps_302,http://raymondeducationcampus.or
27 -77.0211879419777,38.934242581507015,26,Bruce-Monroe Elementary School @ Park View,3568 WARDER STREET NW,Elementary School,ES,Active,202-576-6222,473,,dcps_299,http://www.
28 -77.04055575384,38.9343258251977,27,Bancroft Elementary School,1755 MONTEON STREET NW,Elementary School,ES,Active,202-673-7280,530,NULL,dcps_204,http://www.bancroftelement
29 -77.0878284954734,38.9342976726067,28,Mann Elementary School,4430 NEMARK STREET NW,Elementary School,ES,Active,202-282-0126,379,,dcps_273,http://www.horacemanndc.org/,27
30 -76.9784586377381,38.9335101217273,29,Burroughs Elementary School,1820 MONROE STREET NE,Elementary School,ES,Active,202-576-6150,298,,dcps_220,http://www.jbeestom.com/,2
31 -77.0658234329553,38.9327345302458,30,Eaton Elementary School,3301 LOWELL STREET NW,Elementary School,ES,Active,202-282-0103,477,,dcps_233,http://www.eatondc.org/,233,23
32 -76.9923185976602,38.932838419059,31,Luke C. Moore High School,1001 MONROE STREET NE,Youth Engagement,YE,Active,202-281-3600,266,,dcps_884,http://profiles.dcps.dc.gov/l
33 -77.0358605944281,38.9295522771886,32,Columbia Heights Education Campus 6-8 (CHEC),3101 16TH STREET NW,Education Campus,HS,Active,202-939-7700,1336,,dcps_476,http://www.
34 -77.029455867921,38.929206284833,34,Tubman Elementary School,3101 13TH STREET NW,Elementary School,ES,Active,202-673-7285,542,,dcps_328,http://profiles.dcps.dc.gov/tub
35 -77.1005296227178,38.9268092935177,35,Key Elementary School,5001 DANA PLACE NW,Elementary School,ES,Active,202-729-3280,397,,dcps_272,http://keyschoolsdc.org/dcps/_272,27
36 -77.0005296227178,38.9268092935177,35,Key Elementary School,5001 DANA PLACE NW,Elementary School,ES,Active,202-729-3280,397,,dcps_272,http://keyschoolsdc.org/dcps/_272,27

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Restricted Mode 69°F Heavy rain now 9:46 PM 2/26/2023

As we can see below, there are a few columns that have NULL values for all the records. We shall remove these columns.

SCHOOL	GRADES	MAR	MAP	ACD	YCOORD	XCOORD	ZCOORD	PKID	PK4	PK4	UN	CE	FACILITY	GLOBAL	CREATOR	CREATED	EDITED	AP	AQ	AR	AS
313 PK3-5th	256319	397055	146299	20012	32	36	NULL	DGS_026	(7FE4B92	NULL	NULL	NULL	JLAY	2022/08/03 14:55:10+00							
324 PK3-8th	2590934	398025	145236	20012	31	44	NULL	DGS_072	(6E0915C	NULL	NULL	NULL	JLAY	2022/08/03 14:55:10+00							
445 PK3-5th	2594615	398303	144375	20012	NULL	NULL	NULL	DGS_071	(EC99BC	NULL	NULL	NULL	JLAY	2022/08/03 14:55:10+00							
1071 Eth-8th	319880	398330	144327	20011	NULL	NULL	NULL	N/A	(37F555C	NULL	NULL	NULL	JLAY	2022/08/03 14:55:10+00							
338 PK3-8th	294614	398333	144216	20011	28	26	NULL	DGS_086	(252C33F	NULL	NULL	NULL	JLAY	2022/08/03 14:55:10+00							
213 PK3-8th	294515	398340	143624	20011	39	49	NULL	DGS_027	(11A5F01	NULL	NULL	NULL	JLAY	2022/08/03 14:55:10+00							
264 PK3-8th	2944489	400100	143563	20011	19	29	NULL	DGS_086	(252C33F	NULL	NULL	NULL	JLAY	2022/08/03 14:55:10+00							
287 PK4-5th	2946022	393926	142780	20008	60	60	NULL	DGS_062	(1A6CCEE	NULL	NULL	NULL	JLAY	2022/08/03 14:55:10+00							
405 6th-8th	277548	393482	142780	20016	NULL	35	NULL	DGS_052	(05E5952	NULL	NULL	NULL	JLAY	2022/08/03 14:55:10+00							
463 9th-12th	294587	393258	142474	20016	23	35	NULL	DGS_055	(E9B7F7B4	NULL	NULL	NULL	JLAY	2022/08/03 14:55:10+00							
205 PK3-5th	248305	398459	142259	20011	61	85	NULL	DGS_076	(70FC69	NULL	NULL	NULL	JLAY	2022/08/03 14:55:10+00							
349 PK3-5th	2525521	397352	141686	20011	52	86	NULL	DGS_077	(8FCCE67	NULL	NULL	NULL	JLAY	2022/08/03 14:55:10+00							
420 Eth-7th	294595	397592	141747	20011	NULL	NULL	NULL	DGS_061	(DB738C	NULL	NULL	NULL	JLAY	2022/08/03 14:55:10+00							
466 9th-12th	294590	397469	141682	20011	NULL	NULL	NULL	DGS_061	(1B490DA1	NULL	NULL	NULL	JLAY	2022/08/03 14:55:10+00							
219 PK3-5th	286131	401301	141563	20017	23	22	NULL	DGS_03C	(06669EE	NULL	NULL	NULL	JLAY	2022/08/03 14:55:10+00							
300 PK3-5th	255302	397293	141516	20011	50	49	NULL	DGS_026	(5373B97	NULL	NULL	NULL	JLAY	2022/08/03 14:55:10+00							
347 Eth-8th	294507	400775	141176	20017	NULL	43	NULL	DGS_025	(CEAA41	NULL	NULL	NULL	JLAY	2022/08/03 14:55:10+00							
302 PK3-8th	226682	397708	140881	20010	43	58	NULL	DGS_076	(06A28C	NULL	NULL	NULL	JLAY	2022/08/03 14:55:10+00							
204 PK3-5th	294526	396484	140716	20010	44	58	NULL	DGS_034	(7CA7F6	NULL	NULL	NULL	JLAY	2022/08/03 14:55:10+00							
273 PK4-5th	294597	392385	140716	20016	40	NULL	NULL	DGS_061	(D64E66E	NULL	NULL	NULL	JLAY	2022/08/03 14:55:10+00							
232 PK4-5th	294562	3964293	140540	20008	23	44	NULL	DGS_025	(5B66245	NULL	NULL	NULL	JLAY	2022/08/03 14:55:10+00							
884 9th-12th	294504	400666	140480	20017	NULL	36	NULL	DGS_026	(A1D707	NULL	NULL	NULL	JLAY	2022/08/03 14:55:10+00							
442 Eth-12th	234375	398891	140483	20010	4	4	NULL	DGS_047	(9001040	NULL	NULL	NULL	JLAY	2022/08/03 14:55:10+00							
328 PK3-5th	294556	397447	140147	20010	39	34	NULL	DGS_047	(C7F9D1	NULL	NULL	NULL	JLAY	2022/08/03 14:55:10+00							
272 PK4-5th	294605	391263	139882	20016	41	NULL	NULL	DGS_062	(271A6C	NULL	NULL	NULL	JLAY	2022/08/03 14:55:10+00							
262 PK3-5th	2945452	401987	139648	20018	35	38	NULL	DGS_076	(C1710B	NULL	NULL	NULL	JLAY	2022/08/03 14:55:10+00							
227 PK3-5th	235863	396635	139564	20009	25	54	NULL	DGS_043	(63EC1CF	NULL	NULL	NULL	JLAY	2022/08/03 14:55:10+00							
292 PK4-5th	275944	395040	139526	20008	6	34	NULL	DGS_044	(846BE8B	NULL	NULL	NULL	JLAY	2022/08/03 14:55:10+00							
321 PK4-5th	224730	393143	139460	20007	NULL	20	NULL	DGS_057	(77F5C7	NULL	NULL	NULL	JLAY	2022/08/03 14:55:10+00							
454 Eth-12th	231613	393533	139207	20010	NULL	34	NULL	DGS_017	(E7E4A7	NULL	NULL	NULL	JLAY	2022/08/03 14:55:10+00							
240 PK3-5th	310643	396550	139228	20009	46	54	NULL	DGS_036	(E64E174	NULL	NULL	NULL	JLAY	2022/08/03 14:55:10+00							
o	294533	397767	138853	20001	NULL	NA	NULL		(952071C	NULL	NULL	NULL	JLAY	2022/08/03 14:55:10+00							

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DC_Public_Schools.csv - Visual Studio Code

Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn More

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OPEN EDITORS
DC_Public_Schools.csv C:\Users...\
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Opening a folder will close all currently open editors. To keep them open, add a folder instead.

DC_Public_Schools.csv x

C:\badda@badda ~ Downloads \ DC_Public_Schools.csv

OBJECTID	NAME	ADDRESS	FAUCSE	LEVEL	STATUS	PHONE	TOTAL_STUD	GIS_ID	WEB_URL	BLDG_NUM	SCH_PROG	CAPITALGAINS	CAPACITY	YEAR_BUILT	SQUARE_FOOT
1	J. Shepherd Elementary School	7800 14TH STREET NW	Elementary School	ES	Active	202-576-6140	361	dcp5_313	http://www.shepherd-elementary.org						
2	J. Shepherd Elementary School	7800 14TH STREET NW	Elementary School	ES	Active	202-576-6140	361	dcp5_313	http://www.shepherd-elementary.org						
3	Takoma Elementary School	7010 PINNEY BRANCH ROAD NW	Elementary School	ES	Active	202-671-6050	468	dcp5_3241	http://www.takomaec.us/	324					
4	Coolidge High School	6315 5TH STREET NW	High School	HS	Active	202-671-6080	346	dcp5_455	http://www.coolidgeshs.org/	455	455	N	120	1948	
5	Early College Academy at Coolidge High School	6315 5TH STREET NW	High School	HS	Specialized	HS	Active	202-671-6080	547	dcp5_456	http://www.earlycollegeacademyatcoolidgehighschool.org/				
6	Ida B. Wells Middle School	405 SHERIDAN STREET NW	Middle School	MS	Active	202-671-0969	N	dcp5_974	http://msms.smdf.schoolfusion.us/	1					
7	Lafayette Elementary School	5781 BROAD BRANCH ROAD NW	Elementary School	ES	Active	202-282-0116	761	dcp5_261	http://www.lafayetteseha.org						
8	Whittier Elementary School	6201 5TH STREET NW	Elementary School	ES	Active	202-576-6156	341	dcp5_338	http://www.whittierdc.org/	338	338				
9	Brightwood Elementary School	1300 NICHOLSON STREET NW	Elementary School	ES	Active	202-722-5670	755	dcp5_213	http://www.brightwooddc.org						
10	Lasalle-Bacius Elementary School	501 RIGGS ROAD NE	Elementary School	ES	Active	202-671-6340	369	dcp5_264	http://www.lasallebacius.com/						
11	Truesdale Elementary School	800 INGRAM STREET NW	Elementary School	ES	Active	202-576-6202	679	dcp5_327	http://profiles.dcps.dc.gov/						
12	Murch Elementary School	4810 36TH STREET NW	Elementary School	ES	Active	202-282-0130	572	dcp5_287	http://www.murchofschool.org/	287	287	N			
13	Deall Middle School	3815 FORT DRIVE NW	Middle School	MS	Active	202-939-2010	1477	dcp5_405	http://alicedeal.org/	405	405	N	900	1931	
14	John Lewis Elementary School	1338 FARRAGUT STREET NW	Elementary School	ES	Active	202-576-6226	115	dcp5_336	http://www.westschools.org/						
15	Jackson-Reed High School (formerly Wilson HS)	3958 CHESAPEAKE STREET NW	High School	HS	Active	202-282-0120	1750	dcp5_463	http://www.wihs.org/						
16	Barnard Elementary School	430 DECATOR STREET NW	Elementary School	ES	Active	202-576-1100	649	dcp5_285	http://www.myschooldc.org/school						
17	Janney Elementary School	4130 ALBEMARLE STREET NW	Elementary School	ES	Active	202-282-0110	722	dcp5_254	http://www.janneyschool.org/	2					
18	Dorothy I. Height Elementary School	1300 ALLISON STREET NW	Elementary School	ES	Active	202-723-4108	518	dcp5_977	http://www.dorothyheight.org/						
19	MacFarland Middle School	4400 IOWA AVENUE NW	Middle School	MS	Active	202-671-6033	69	dcp5_973	http://profiles.dcps.dc.gov/MacfarlandM						
20	Roosevelt High School	4301 13TH STREET NW	High School	HS	Active	202-576-6130	668	dcp5_459	http://profiles.dcps.dc.gov/RooseveltHighS						
21	Roosevelt Stay High School	4301 13TH STREET NW	Youth Engagement	STAY	Active	202-576-8399	668	dcp5_913	http://www.rooseveltsstay.org/	4					
22	Bunker Hill Elementary School	1401 MICHIGAN AVENUE NE	Elementary School	ES	Active	202-576-6095	195	dcp5_346	http://profiles.dcps.dc.gov/BunkerHillElementarySchool						
23	Powell Elementary School	1350 UPHILL STREET NW	Elementary School	ES	Active	202-671-6270	534	dcp5_300	http://www.powellbilingualelementary.org/						
24	Hearst Elementary School	3950 37TH STREET NW	Elementary School	ES	Active	202-282-0106	312	dcp5_258	http://www.hearstes.org/	258	258	N			
25	Brookland Middle School	1150 MICHIGAN AVENUE NE	Middle School	MS	Active	202-576-6095	254	dcp5_975	https://brooklandms.wordpress.com/	3					
26	Raymond Elementary School	915 SPRING ROAD NW	Elementary School	ES	Active	202-576-6236	613	dcp5_302	http://raymondeducationcampus.org/						
27	Bruce-Monroe Elementary School @ Park View	3560 WARDER STREET NW	Elementary School	ES	Active	202-576-6222	473	dcp5_296	http://www.bmv.org/						
28	Bancroft Elementary School	1755 NEWTON STREET NW	Elementary School	ES	Active	202-673-7280	530	dcp5_273	http://www.bancroftelementary.org/						
29	Hann Elementary School	4430 NEWARK STREET NW	Elementary School	ES	Active	202-282-0126	379	dcp5_273	http://www.hannelementary.org/	273	27				
30	Burrough Elementary School	1820 MONROE STREET NE	Elementary School	ES	Active	202-576-6150	290	dcp5_220	http://www.jbectm.com/	220	22				
31	Eaton Elementary School	3301 LOWELL STREET NW	Elementary School	ES	Active	202-282-0103	477	dcp5_232	http://www.eatondc.org/	232	232	N			
32	Luke C. Moore High School	1801 MONROE STREET NE	Youth Engagement	YE	Active	202-281-3600	266	dcp5_884	http://profiles.dcps.dc.gov/LukeC						
33	Columbia Heights Education Campus	6-8 (CHEC)	Education Campus	MS	Active	202-939-7700	1336	dcp5_475	http://www.chec.org/						
34	Columbia Heights Education Campus	9-12 (CHEC)	Education Campus	HS	Active	202-939-7700	1336	dcp5_976	http://www.chec.org/						
35	Tubman Elementary School	3101 13TH STREET NW	Elementary School	ES	Active	202-673-7285	542	dcp5_328	http://profiles.dcps.dc.gov/Tubman						
36	Key Elementary School	5001 DAWNA PLACE NW	Elementary school	ES	Active	202-729-3280	397	dcp5_277	http://keyschoolsdc.org/	277	277	N			

A screenshot of a Microsoft Edge browser window. The title bar reads "DC_Public_Schools.csv - Visual Studio Code". The address bar shows the URL "DC_Public_Schools.csv" and indicates "Restricted Mode is intended for safe code browsing. Trust this window to enable all features." Below the address bar, there are tabs for "File", "Edt", "Selection", "View", "Go", "Run", "Terminal", and "Help". The main content area displays the contents of a CSV file named "DC_Public_Schools.csv". The CSV contains numerous rows of data about schools, including columns for school names, addresses, and various identifiers. The browser interface includes standard navigation buttons (Back, Forward, Stop, Refresh) and a search bar at the bottom. The status bar at the bottom right shows the date and time as "2/26/2023 1:48:00 PM".

We can observe that few rows have many NULL values, removing such rows. Below are few such rows that have been highlighted with red underline.

```
C:\Users\badda\Downloads> DC_Public_Schools.csv
1 DG_NUM,SCH_PROG,CAPITALGAINS,CAPACITY,YEAR_BUILT,SQUARE_FOOTAGE,POPULATION_PLAN,LEA_ID,SCHOOL_NAM,SCHOOL_ID,GRADES,MAR_ID,XCOORD,YCOORD,Z
2 202-576-6140,361,dcps_313,http://www.shepherd-elementary.org,.313,.313,N,.332,1932,79700,400,1,Shepherd Elementary School,.313,PK3-5th,256319
3 ive,202-671-6050,468,dcps_3241,http://www.takomaec.us/,324,.3241,Y,.467,1976,119000,450,1,Takoma Education Campus,.324,PK3-8th,250934,398024
4 346,dcps_455,http://www.coolidgeshs.org/,455,455,N,1240,1940,271300,1100,1,Coolidge High School,.455,9th-12th,294615,398303,3,144374,62,20
5 l/Specialized,HS,Active,202-671-6080,547,dcps_456,http://www.coolidgeshs.org/,455,455,N,1240,1940,271300,1100,1,Coolidge High School,.455,
6 02-671-0693,NULL,dcps_974,http://nms.sdmf.schoolfusion.us/,1871,NULL,NULL,NULL,NULL,1,New North Middle School,.1071,6th-8th,3198
7 Active,202-282-0116,761,dcps_261,http://www.lafayettehsa.org,.261,.261,N,.486,1931,113600,550,1,Lafayette Elementary School,.261,PK4-5th,2946
8 02-576-6156,341,dcps_338,http://www.whittierdc.org/,338,.338,Y,.517,1926,66600,600,1,Whittier Education Campus,.338,PK3-8th,294614,398332,71
9 Active,202-722-5670,575,dcps_213,http://www.brightwoodc.org/,213,.213,Y,.NULL,NULL,NULL,NULL,1,Brightwood Education Campus,.213,PK3-8th,294
10 ive,202-671-6340,369,dcps_264,http://www.lasallebackus.com/,264,.264,N,.406,1957,63000,425,1,LaSalle-Backus Education Campus,.264,PK3-8th,29
11 tive,202-576-6202,679,dcps_327,http://profiles.dcps.dc.gov/Truesdell+Education+Campus,.327,.327,N,.471,1908,69600,450,1,Truesdell Education
12 2-282-0130,572,dcps_287,http://www.murcschool.org,.287,.287,N,NULL,NULL,NULL,1,Murch Elementary School,.287,PK4-5th,294602,393925,57,1
13 ,1477,dcps_405,http://alicedeal.org/,405,405,N,900,1931,180000,850,1,Deal Middle School,.405,6th-8th,277548,393481,78,142779,94,20016,NULL
14 Active,202-576-6226,315,dcps_336,http://www.westschool.org/,336,.336,N,.281,1978,69600,450,1,West Education Campus,.336,PK3-8th,294517,39720
15 gh School,HS,Active,202-282-0120,1750,dcps_463,http://www.wilsonhs.org/,463,463,N,1485,1935,271300,1600,1,Woodrow Wilson High School,.463,
16 e,202-576-1100,649,dcps_205,http://www.myschooldc.org/schools/profile/7/,205,205,N,.387,2003,NULL,NULL,1,Barnard Elementary School,.205,PK3
17 ive,202-282-0110,722,dcps_254,http://www.janneyschool.org/,254,.254,N,.364,1925,98200,550,1,Janney Elementary School,.254,PK4-5th,285713,392
18 ol,ES,Active,202-723-4100,518,dcps_977,http://www.dorothyheightes.org/,349,NULL,NULL,NULL,NULL,1,Dorothy I. Height Elementary S
19 71-0033,69,dcps_973,http://profiles.dcps.dc.gov/MacFarland+Middle+School,.420,NULL,NULL,NULL,NULL,1,MacFarland Middle School,.420
20 30,668,dcps_459,http://profiles.dcps.dc.gov/Roosevelt+High+School,.459,459,N,.1055,1932,331900,1100,1,Roosevelt High School,.459,9th-12th,25
21 ve,202-576-8399,668,dcps_913,http://www.rooseveltsstay.org/,456,459,N,.NULL,NULL,NULL,1,Roosevelt High School,.456,Adult,25205,397468
22 ,Active,202-576-6095,195,dcps_346,http://profiles.dcps.dc.gov/Bunker+Hill+Elementary+School,.219,.219,N,NULL,NULL,NULL,1,Bunker Hill E
23 ,202-671-6270,534,dcps_300,http://www.powellbilingualelementary.com/,300,.300,N,.304,1925,38500,325,1,Powell Elementary School,.300,PK3-5th,
24 02-282-0106,312,dcps_258,http://www.hearstes.org/,258,.258,N,.181,1932,17400,325,1,Hearst Elementary School,.258,PK4-5th,294586,393761,89,14
25 2-576-6095,254,dcps_975,https://brooklandms.wordpress.com/,347,975,N,NULL,NULL,NULL,1,Brookland Middle School,.347,6th-8th,294507,400
26 02-576-6236,613,dcps_302,http://raymondeducationcampus.org/,302,.302,N,NULL,NULL,NULL,1,Raymond Education Campus,.302,PK3-8th,226682,3
27 y School,ES,Active,202-576-6222,473,dcps_296,http://www.bmpv.org/,296,.296,N,.NULL,1,Bruce-Monroe Elementary School @ Park
28 ve,202-673-7280,530,dcps_204,http://www.bancroftelementary.org,.204,NULL,NULL,NULL,NULL,1,Bancroft Elementary School,.204,PK3-5th
29 02-282-0126,379,dcps_273,http://www.horacemanndc.org/.273,.273,N,NULL,NULL,1,Mann Elementary School,.273,PK4-5th,294597,392385,28
30 ive,202-576-6150,290,dcps_220,http://www.jbecstem.com/,220,.220,Y,.474,1980,63900,450,1,Burroughs Elementary School,.220,PK3-5th,294530,4018
31 202-282-0103,477,dcps_232,http://www.eatondc.org/,232,.232,N,.418,1911,49100,400,1,Eaton Elementary School,.232,PK4-5th,294562,394293,04,140
32 ,202-281-3600,266,dcps_884,http://profiles.dcps.dc.gov/Luke+C.+Moore+High+School,.884,.884,N,NULL,NULL,NULL,1,Luke C. Moore High Schoo
33 l Campus,MS,Active,202-939-7700,1336,dcps_475,http://www.checdc.org/.442,.475,N,NULL,NULL,NULL,1,Columbia Heights Education Campus,.442,
34 n Campus,HS,Active,202-939-7700,1336,dcps_976,http://www.checdc.org/.442,.475,N,NULL,NULL,NULL,1,Columbia Heights Education Campus,.442
35 02-673-7285,542,dcps_328,http://profiles.dcps.dc.gov/tubman,.328,.328,N,.607,1970,66600,450,1,Tubman Elementary School,.328,PK3-5th,294555,39
36 29-3280,397,dcps_272,http://keyschooldc.org/dcps/.272,.272,N,NULL,1,Key Elementary School,.272,PK4-5th,294605,391283,15,1398
```

Below is the final csv file without any junk data in it. This clean data has 27 columns and 55 rows.

```
C:\Users\badda\Downloads> DC_Public_Schools.csv
C:\Users\badda\Downloads> DC_Public_Schools.csv
1 OBJECTID,NAME,ADDRESS,FACUSE_LEVEL_,STATUS,PHONE,TOTAL_STUD,GIS_ID,WEB_URL,BLDG_NUM,SCH_PROG,CAPITALGAINS,CAPACITY,YEAR_BUILT,SQUARE_FOOTAGE,POPULATION_PLAN,LEA_ID,SCHOOL
2 1,Shepherd Elementary School,.7800 14TH STREET NW,Elementary School,ES,Active,202-576-6140,361,dcps_313,http://www.shepherd-elementary.org,.313,.313,N,.332,1932,79700,400,1,S
3 2,Takoma Elementary School,.7810 PINEY BRANCH ROAD NW,Elementary School,ES,Active,202-671-6050,468,dcps_3241,http://www.takomaec.us/,324,.3241,Y,.467,1976,119000,450,1,Takom
4 3,Coolidge High School,.6315 5TH STREET NW,High School,HS,Active,202-671-6080,547,dcps_455,http://www.coolidgeshs.org/,455,455,N,1240,1940,271300,1100,1,Coolidge High Sch
5 4,Early College Academy at Coolidge High School,.6315 5TH STREET NW,High School/Specialized,HS,Active,202-671-6080,547,dcps_456,http://www.coolidgeshs.org/,455,455,N,1240,
6 ,Lafayette Elementary School,.5701 BROAD BRANCH ROAD NW,Elementary School,ES,Active,202-282-0116,722,dcps_261,http://www.lafayettehsa.org,.261,.261,N,.486,1931,113600,550,1,J
7 ,Whittier Elementary School,.6201 5TH STREET NW,Elementary School,ES,Active,202-576-6156,341,dcps_338,http://www.whittierdc.org/,338,.338,Y,.517,1926,66600,600,1,Whittier E
8 ,9,LaSalle-Backus Elementary School,.501 RIGGS ROAD NE,Elementary School,ES,Active,202-671-6340,369,dcps_264,http://www.lasallebackus.com/.264,.264,N,.406,1957,63000,450,1,La
9 ,10,Truesdell Elementary School,.8000 INGRAMHAM STREET NW,Elementary School,ES,Active,202-576-6202,679,dcps_327,http://profiles.dcps.dc.gov/Truesdell+Education+Campus,.327,.327
10 ,12,Deal Middle School,.3815 FORT DRIVE NW,Middle School,MS,Active,202-939-2010,1477,dcps_405,http://alicedeal.org/,405,405,N,900,1931,180000,850,1,Deal Middle School,.405,6
11 ,13,John Lewis Elementary School,.1338 RAGGART STREET NW,Elementary School,ES,Active,202-576-6226,315,dcps_336,http://www.westschool.org/.336,.336,N,.281,1978,69600,450,1,We
12 ,14,Jackson-Reed High School (formerly Wilson HS),.3950 CHESAPEAKE STREET NW,High School,HS,Active,202-282-0120,1750,dcps_463,http://www.wilsonhs.org/.463,.463,N,1485,1935,2
13 ,16,Janney Elementary School,.4130 ALBEMARLE STREET NW,Elementary School,ES,Active,202-282-0110,722,dcps_254,http://www.janneyschool.org/.254,.254,N,.364,1925,98200,550,1,Jan
14 ,19,Roosevelt High School,.4301 13TH STREET NW,High School,HS,Active,202-576-6130,668,dcps_459,http://profiles.dcps.dc.gov/Roosevelt+High+School,.459,.459,N,.1055,1932,331900,
15 ,22,Powell Elementary School,.1358 UPSHUR STREET NW,Elementary School,ES,Active,202-671-6270,534,dcps_300,http://www.powellbilingualelementary.com/.300,.300,N,.304,1925,38500
16 ,23,Hearst Elementary School,.3950 37TH STREET NW,Elementary School,ES,Active,202-282-0106,312,dcps_258,http://www.hearstes.org/.258,.258,N,.181,1932,17400,325,1,Hearst Eleme
17 ,29,Burroughs Elementary School,.1820 MONROE STREET NE,Elementary School,ES,Active,202-576-6150,.290,dcps_220,http://www.jbecstem.com/.220,.220,Y,.474,1980,63900,450,1,Burroug
18 ,34,Tubman Elementary School,.3101 13TH STREET NW,Elementary School,ES,Active,202-673-7285,542,dcps_328,http://profiles.dcps.dc.gov/tubman,.328,.328,N,.607,1970,66600,450,1,Tu
19 ,37,Langdon Elementary School,.1980 EVARTS STREET NE,Elementary School,ES,Active,202-576-6048,323,dcps_262,http://profiles.dcps.dc.gov/langdon+Elementary+School,.262,.262,N,.5
20 ,41,Stoddert Elementary School,.4001 CALVERT STREET NW,Elementary School,ES,Active,202-671-6030,435,dcps_321,http://www.stoddert.org/.321,.321,N,.213,1932,17400,325,1,Stoddert
21 ,42,Cardozo Education Campus,.1200 CLIFTON STREET NW,Middle School/High School,HS,Active,202-671-7385,797,dcps_454,http://www.cardozos.com/.454,.454,N,.1565,1926,355400,1100
22 ,58,Dunbar High School,.101 N ST NW,High School,HS,Active,202-698-3762,584,dcps_467,http://www.dunbarsdc.org/.467,.467,N,.1095,1977,343400,1600,1,Dunbar High School,.467,9th-
23 ,59,School without Walls @ Francis-Stevens,.2425 N STREET NW,Education Campus,EC,Active,202-724-4841,471,dcps_409,http://www.swfws.org/.409,.409,N,.520,1927,95100,450,1,Schoo
24 ,61,Houston Elementary School,.1100 50TH PLACE NE,Elementary School,ES,Active,202-671-6170,.299,dcps_251,http://www.myschooldc.org/schools/profile/44/,251,.251,N,.507,1962,599
25 ,63,Wheatley Education Campus,.1299 NEAL STREET NE,Education Campus,EC,Active,202-939-5970,321,dcps_335,http://profiles.dcps.dc.gov/wheatley+education+campus,.335,.335,N,.625,
26 ,66,J.O. Wilson Elementary School,.660 K STREET NE,Elementary School,ES,Active,202-698-4733,495,dcps_339,http://profiles.dcps.dc.gov/j.o.wilson+Elementary+School,.339,.339,N
27 ,67,Browne Education Campus,.850 26TH STREET NE,Education Campus,EC,Active,202-671-6210,.309,dcps_484,http://profiles.dcps.dc.gov/Browne+Education+Campus,.404,.404,Y,.835,1932
28 ,69,Thomas Elementary School,.650 ANACOSTIA AVENUE NE,Elementary School,ES,Active,202-724-4593,409,dcps_325,http://www.nevalthomas.org/.325,.325,N,.636,1946,87600,325,1,Thomas
29 ,70,Burrville Elementary School,.801 DIVISION AVENUE NE,Elementary School,ES,Active,202-671-6020,325,dcps_221,http://www.burrvillees.org/.221,.221,N,.322,1980,95000,450,1,Bur
30 ,76,Lorraine H. Whitlock Elementary School,.533 48TH PLACE NE,Elementary School,ES,Active,202-671-6060,.251,dcps_202,http://profiles.dcps.dc.gov/Alton+Elementary+School,.202,
31 ,77,Woodson High School,.540 55TH STREET NE,High School,HS,Active,202-724-4632,634,dcps_426,http://www.woodsonwarriors.org/.464,.425,N,.1085,1967,156000,450,1,H.D. Woodson
32 ,78,Stuart-Hobson Middle School,.410 E STREET NE,Middle School,MS,Active,202-671-6018,431,dcps_428,http://www.capitolhillclusterschool.org/our-schools/stuart-hobson-middle
33 ,81,Smothers Elementary School,.4400 BROOKS STREET NE,Elementary School,ES,Active,202-939-3600,.253,dcps_322,http://www.myschooldc.org/schools/profile/104/,322,.322,N,.332,192
34 ,84,Eliot-Hine Middle School,.1830 CONSTITUTION AVENUE NE,Middle School,MS,Active,202-939-5380,.200,dcps_407,http://www.eliothinemiddleschool.org/.407,.407,Y,.850,1931,155100,
35 ,85,Maury Elementary School,.1250 CONSTITUTION AVENUE NE,Elementary School,ES,Active,202-698-3884,.387,dcps_274,http://www.maurelementary.com/.274,.274,N,.276,1886,46800,325,1
36 ,86,Eastern High School,.1700 EAST CAPITOL STREET NE,High School,HS,Active,202-698-4500,.818,dcps_457,http://easternhighschoolsdc.org/intro/.457,.457,N,.1425,1923,288800,6,1,Ea
```

Now we load this clean data into the GitHub Gist, I have created a GitHub Gist as "DC_Public_Schools.csv" and pasted the csv data from my computer onto the GitHub Gist as shown below. I have saved it as a public Gist.

GitHub Gist Search... All gists Back to GitHub

 nehabaddam / DC_Public_Schools.csv Created 15 hours ago

Code Revisions 1

Raw Embed script src="https://gist.github.com/nehabaddam/dc5fa1fcf5daa0c28c0354fa76f2084c/raw/62793cca3d5389c46e15ec370613669bd6a1b03/DC_Public_Schools.csv" Unsubscribe Star 0 Download ZIP

OBJECTID	NAME	ADDRESS	FACUSE	LEVEL	STATUS	PHONE	TC
1	Shepherd Elementary School	7800 14TH STREET NW	Elementary School	ES	Active	202-576-6140	36
2	Takoma Elementary School	7010 PINEY BRANCH ROAD NW	Elementary School	ES	Active	202-671-6050	46
3	Coolidge High School	6315 5TH STREET NW	High School	HS	Active	202-671-6080	34
4	Early College Academy at Coolidge High School	6315 5TH STREET NW	High School/Specialized	HS	Active	202-671-6080	54
6	Lafayette Elementary School	5701 BROAD BRANCH ROAD NW	Elementary School	ES	Active	202-282-0116	76
7	Whittier Elementary School	6201 5TH STREET NW	Elementary School	ES	Active	202-576-6156	34
8	LaSalle-Backus Elementary School	501 RIGGS ROAD NE	Elementary School	ES	Active	202-671-6340	36
9	Truesdell Elementary School	800 INGRAMAH STREET NW	Elementary School	ES	Active	202-576-6202	67
10	Deal Middle School	3815 FORT DRIVE NW	Middle School	MS	Active	202-939-2010	14
11	John Lewis Elementary School	1338 FARRAGUT STREET NW	Elementary School	ES	Active	202-576-6226	31
12	Jackson-Reed High School (formerly Wilson HS)	3950 CHESAPEAKE STREET NW	High School	HS	Active	202-282-0120	17
13	Janney Elementary School	4130 ALBEMARLE STREET NW	Elementary School	ES	Active	202-282-0110	72
14	Roosevelt High School	4301 13TH STREET NW	High School	HS	Active	202-576-6130	66

If we click the “Raw” button, the raw data is loaded on another tab of the browser as shown below.

ICE-5 https://gist.githubusercontent.com/nehabaddam/dc5fa1fcf5daa0c28c0354fa76f2084c/raw/62793cca3d5389c46e15ec370613669bd6a1b03/DC_Public_Schools.csv

Technology & Apps... db.createCollection... GO AS400 IBM Knowledge Ce... citrix RPG free-format da... My Network Account Shift Allowance Ne... Login to StoHRM [ICOMSB0-3056] Is... ↗

OBJECTID,NAME,ADDRESS,FACUSE,LEVEL,,STATUS,PHONE,TOTAL_STUD,GIS_ID,WEB_URL,BLDG_NUM,SCH_PROG,CAPITALGAINS,CAPACITY,YEAR_BUILT,SQUARE_FOOTAGE,POPULATION_PLAN,LEA_ID,SCHOOL_NAM,SCHOOL_ID,GRADES,MAR_ID,XCOORD,YCOORD,ZIPCODE,NAME_ID,GLOBAL_ID

1,Shepherd Elementary School,7800 14TH STREET NW,Elementary School,ES,Active,202-576-6140,361,dcps_313,http://www.shepherd-elementary.org,313,313,N,332,1932,79700,400,1,Shepherd Elementary School,313,PK3-8th,294534,198034,76,145235,93,200112,DGS_07223_0,[51091502-FC03-4968-9104-F005E5E1F5C3]

2,Takoma Elementary School,7010 PINEY BRANCH ROAD NW,Elementary School,ES,Active,202-671-6050,468,dcps_3241,http://www.takomaec.us,324,324,Y,467,1976,119000,450,1,Takoma Education Campus,324,PK3-8th,294534,198034,76,145235,93,200112,DGS_07223_0,[51091502-FC03-4968-9104-F005E5E1F5C3]

3,Coolidge High School,6315 5TH STREET NW,High School,HS,Active,202-671-6080,346,dcps_455,http://www.coolidgehs.org/,455,455,N,1240,1940,271300,1100,1,Coolidge High School,455,9th-12th,294615,398303,3,144374,62,20012,DGS_0710_0,[09647003-C9F1-4CD9-D0A6-0E428E001C001]

4,Early College Academy at Coolidge High School,6315 5TH STREET NW,High School/Specialized,HS,Active,202-671-6080,547,dcps_456,http://www.coolidgehs.org/,455,455,N,1240,1940,271300,1100,1,Coolidge High School,455,9th-12th,294615,398303,3,144374,62,20012,DGS_0710_0,[09647003-C9F1-4CD9-D0A6-0E428E001C001]

6,Lafayette Elementary School,5701 BROAD BRANCH ROAD NW,Elementary School,ES,Active,202-282-0116,761,dcps_261,http://www.lafayettehs.org,261,261,N,486,1931,113600,550,1,Lafayette Elementary School,261,PK4-5th,294534,198034,76,145235,93,200112,DGS_07223_0,[51091502-FC03-4968-9104-F005E5E1F5C3]

7,Whittier Elementary School,6201 5TH STREET NW,Elementary School,ES,Active,202-576-6156,341,dcps_338,http://www.whittierdc.org,338,338,Y,517,1926,66600,600,1,Whittier Educational Campus,338,PK3-8th,294613,398332,71,144216,17,200112,DGS_0706_0,[C75E50KC-B65F-4525-BAA3-024B3C5E400]

9,LaSalle-Backus Elementary School,501 RIGGS ROAD NE,Elementary School,ES,Active,202-671-6340,369,dcps_264,http://www.lasallebackus.com,/264,264,N,406,1957,63000,425,1,LaSalle-Backus Education Campus,264,PK3-8th,294489,400010,18,143562,69,200112,DGS_0661_0,[252C3389-FA1E-4426-B2F2-208E3BF06102]

10,Truesdell Elementary School,3815 FORT DRIVE NW,Middle School,ES,Active,202-576-6202,679,dcps_327,http://profiles.dcps.dc.gov/Truesdell+Education+Campus,327,327,N,471,1908,69600,450,1,Truesdell Education Campus,327,PK3-8th,294489,400010,18,143562,69,200112,DGS_0661_0,[252C3389-FA1E-4426-B2F2-208E3BF06102]

12,Deal Middle School,3815 FORT DRIVE NW,Middle School,ES,Active,202-282-0110,761,dcps_405,http://alicedel.org,405,405,N,900,1931,180000,850,1,Deal Middle School,405,8th-8th,275548,393481,78,142779,55,20016,DGS_0529_0,[02259729-F41D-4301-9540-127B943D305A3]

13,Janney Elementary School,4130 ALBEMARLE STREET NW,High School,HS,Active,202-576-6226,315,dcps_336,http://www.westschool.org,336,336,N,281,1978,69600,450,1,West Education Campus,336,PK3-8th,294517,397204,26,142607,98,200112,DGS_0179_0,[0CECF8946-F7C9-4B54-RE00-1A727004373]

14,Jackson-Reed High School (formerly Wilson HS),3950 CHESAPEAKE STREET NW,High School,HS,Active,202-282-0120,1750,dcps_463,http://www.wilsonhs.org,463,463,N,1485,1935,271300,1600,1,Woodrow Wilson High School,463,9th-12th,294517,397204,26,142475,98,20016,DGS_0551_0,[0CECF8946-F7C9-4B54-RE00-1A727004373]

16,Janney Elementary School,4130 ALBEMARLE STREET NW,Elementary School,ES,Active,202-282-0110,722,dcps_254,http://www.janneyschool.org,254,254,N,364,1925,98200,550,1,Janney Elementary School,254,PK4-5th,295713,392978,88,142186,88,20016,DGS_0610_0,[0AD1EEF9-839A-4FD4-AE0C-CB1049E4C528]

19,Roosevelt High School,4130 13TH STREET NW,High School,HS,Active,202-576-6130,668,dcps_459,http://profiles.dcps.dc.gov/Roosevelt+High+School,459,459,N,1055,1932,331900,1100,1,Roosevelt High School,459,9th-12th,295269,397468,88,142186,88,200112,DGS_0610_0,[0AD1EEF9-839A-4FD4-AE0C-CB1049E4C528]

22,Powell Elementary School,3000,300,113600,550,1,West Education Campus,ES,Active,202-576-6270,534,dcps_300,http://www.powellbilingualelementary.com,300,300,N,304,1925,38500,325,1,Powell Elementary School,300,PK3-5th,295303,397292,70,141516,98,200112,DGS_0238_0,[573D9879-939A-4350-B514-F0EE74A990E3]

23,Hearst Elementary School,3950 37TH STREET NW,Elementary School,ES,Active,202-282-0106,312,dcps_258,http://www.hearstes.org,258,258,N,181,1932,17400,325,1,Hearst Elementary School,258,PK4-5th,294586,393761,89,141428,28,20008,DGS_0550_0,[C60018EB-D4D2-479D-ABC2-A24563E6D7C9]

29,Burroughs Elementary School,1820 MONROE STREET NE,Elementary School,ES,Active,202-576-6150,290,dcps_220,http://www.jbecstem.com,/220,220,Y,474,1980,63900,450,1,Burroughs Elementary School,220,PK3-5th,294530,401867_,9,140624,56,20018,DGS_0356_0,[F4AC7C5B-444A-4087-8FAD-14871F1093F4]

34,Tubman Elementary School,1101 13TH STREET NW,Elementary School,ES,Active,202-576-6130,668,dcps_328,http://profiles.dcps.dc.gov/Tubman,328,328,N,607,1970,66600,450,1,Tubman Elementary School,328,PK3-5th,294555,397447,02,140446,96,20010,DGS_0471_0,[F79D178C-A492-4420-BD96-88A9AF45C8E]

37,Langdon Elementary School,3000,300,113600,550,1,West Education Campus,ES,Active,202-576-6048,323,dcps_262,http://profiles.dcps.dc.gov/Langdon+Elementary+School,262,262,N,528,1930,101400,450,1,Langdon Elementary School,300,PK3-5th,294530,397292,70,141516,98,200112,DGS_0238_0,[573D9879-939A-4350-B514-F0EE74A990E3]

41,Stoddert Elementary School,4001 CALVERT STREET NW,Elementary School,ES,Active,202-671-6030,435,dcps_321,http://www.stoddert.org,321,321,N,213,1932,17400,325,1,Stoddert Elementary School,321,PK4-5th,224730,393143,05,139466-38,20007,DGS_0578_0,[772C7B-E813-4640-A21F-10A0A02B00E9A]

42,Cardozo Education Campus,1200 CLIFTON RD,NO,Elementary School,ES,Active,202-673-7385,97,dcps_454,http://www.cardozohs.org,454,454,N,1565,1926,355400,1100,1,Cardozo Education Campus,454,6th-12th,294513,397531,11,139367,02,20009,DGS_0178_0,[F41E221C-B3C4-4B34-A834-58BC91C772A]

58,Dunbar High School,101 N ST NW,High School,HS,Active,202-698-3762,584,dcps_409,http://www.dunbarhsdc.org,467,468,N,1095,1977,343400,1600,1,Dunbar High School,467,9th-12th,309947,398899,21,137751,95,137751,02,00872_0,[63B9BEAS-3C9A-4089-9ECA-1E5E68BF0B2Z]

59,School Without Walls @ Francis-Stevens,2425 N STREET NW,Education Campus,EC,Active,202-274-4841,471,dcps_409,http://www.swfws.org,409,409,N,520,1927,95100,450,1,School Without Walls @ Francis-Stevens,409,PK3-8th,294544,395461,95,137735,74,20087,DGS_0420_0,[68A115BD-E4B9-4E05-88E0-GA770D578200]

Link to the “DC Public Schools.csv” raw data:

https://gist.githubusercontent.com/nehabaddam/dc5fa1fcf5daa0c28c0354fa76f2084c/raw/62793cca3d5389c46e15ec370613669bd6a1b03/DC_Public_Schools.csv

2. Create an HTML code and load the CSV data and use your own VizHub account. Summarize the data on your webpage. Add CSS style for your webpage.

Firstly, I created a Viz by forking a “HTML Starter”. I have created an “index.html” page with many tags as shown below. For every tag that is opened there is a closing tag.

1. Html Tag: This tag opens the HTML code logic.
2. Head Tag: The head tag consists of the header contents of the html page and the links to external files.
 - i. Link Tag: Here I have used Link tag to link the CSS file.
 - ii. Script Tag: It is used to load the JavaScript file to access the d3 functions.
3. Body Tag: The bod tag contains the main web-page contents.
 - i. Center Tag: The center tag makes sure that the contents are aligned to the center of the screen.
 - ii. Division Tag: Division Tag is used to create a small division in the webpage for the heading.
 - iii. Pre-Element Tag: It is used to load the result of the d3 function, that loads the “DC_Public_Schools.csv” and calculates the size of file, number of rows, number of columns and fetches all the column headings. This basically shows the summary data of the file.
 - iv. Script Tag:
This is a script written in JavaScript that uses the D3.js library to load and process a CSV file containing public school data from the CSV file that we have loaded onto the GitHub Gist. It then uses the D3.js function d3.csv() to fetch the data from the URL and parse it as CSV. Once the data is loaded, the script generates a message that displays information about the dataset. The message includes the size of the data in kilobytes, the number of rows and the number of the columns, and the names of the columns in the dataset.

The screenshot shows a browser window with the title "DC Public School Information Site". The main content area displays a table with several columns, including "NAME", "ADDRESS", "PHONE", "CAPACITY", and "GRADE". Below the table, there is a "Saved" button and a "Last Edited March 1, 2023" message. The left side of the screen shows the browser's developer tools, specifically the "files" tab, where the "index.html" file is open. The code in "index.html" includes a script that reads a CSV file from a GitHub URL and displays its contents in a pre-tag.

For the above HTML file, I have created the below CSS. It consists of five elements.

1. Body: The body element, is for the body tag in HTML, here we are defining the font style, background details, margin, and padding.
2. Header 1: It is for the Header 1 tag of the HTML. It defines the font alignment, padding, background color and color.
3. Header 4: It is for the Header 4 tag of the HTML. It defines the font alignment, padding, background color and color.
4. Pre: It is for the Pre-Tag of HTML code, It defines the margin, padding, background color, color, white spaces, text alignment and border.
5. Container: This defines the container class, with margin, padding, background color, box shadow, and text alignment.
6. btn: It is for the button class, it defines display, padding, font details, text details, border, color, background-color, cursor, transition, border-radius, margin, and hovering effect for the same button is also defined.

```
files
index.css
index.html
README.md

index.css
1 /* CSS for the entire page */
2 body{
3     font-family: Arial, sans-serif;
4     background-color: rgb(239, 194, 194);
5     background-repeat: no-repeat;
6     background-size:65em;
7     background-position-x:center;
8     margin: 0;
9     padding: 0;
10 }
11
12
13 /* CSS for the header */
14 h1 {
15     text-align: center;
16     padding: 5px;
17     background-color: #333c;
18     color: white;
19 }
20
21 h4 {
22     text-align: center;
23     padding: 20px;
24     background-color: #333c;
25     color: white;
26 }
27
```

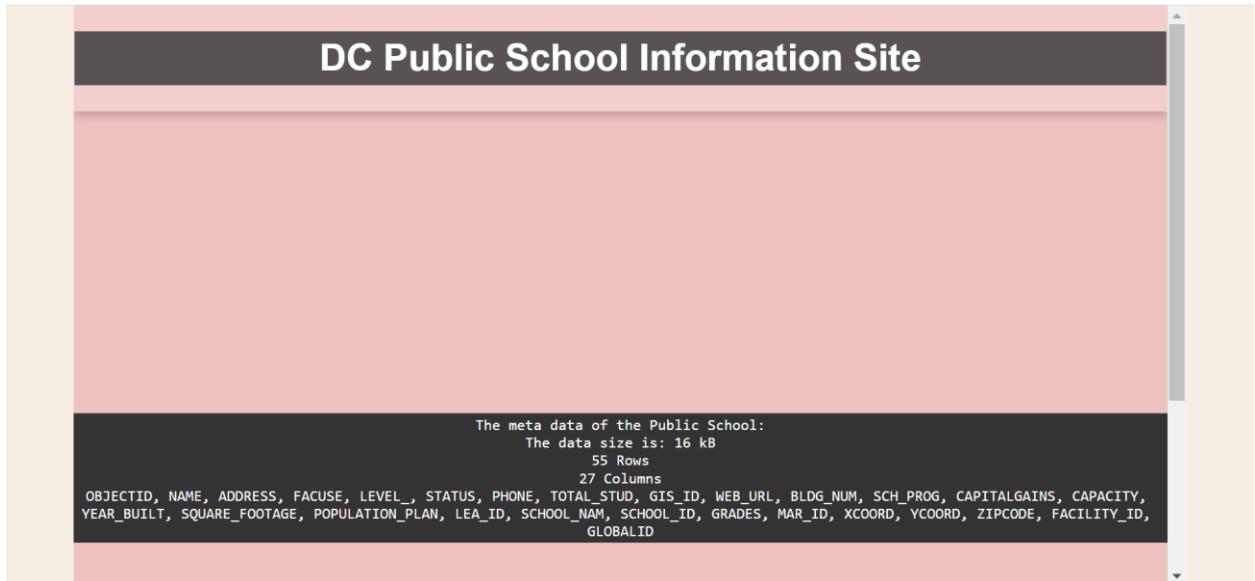
```
files
index.css
index.html
README.md

index.css
29 pre {
30     margin: 260px 0@px;
31     padding: 1px;
32     background-color: #3333;
33     color: white;
34     white-space: pre-wrap;
35     text-align: center;
36     border: 2px solid #333;
37 }
38
39
40 /* CSS for the container div */
41 .container {
42     margin: auto;
43     padding: 1px;
44     background-color: #fff3;
45     box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.2);
46     text-align: center;
47 }
48
```

```
files
index.css
index.html
README.md

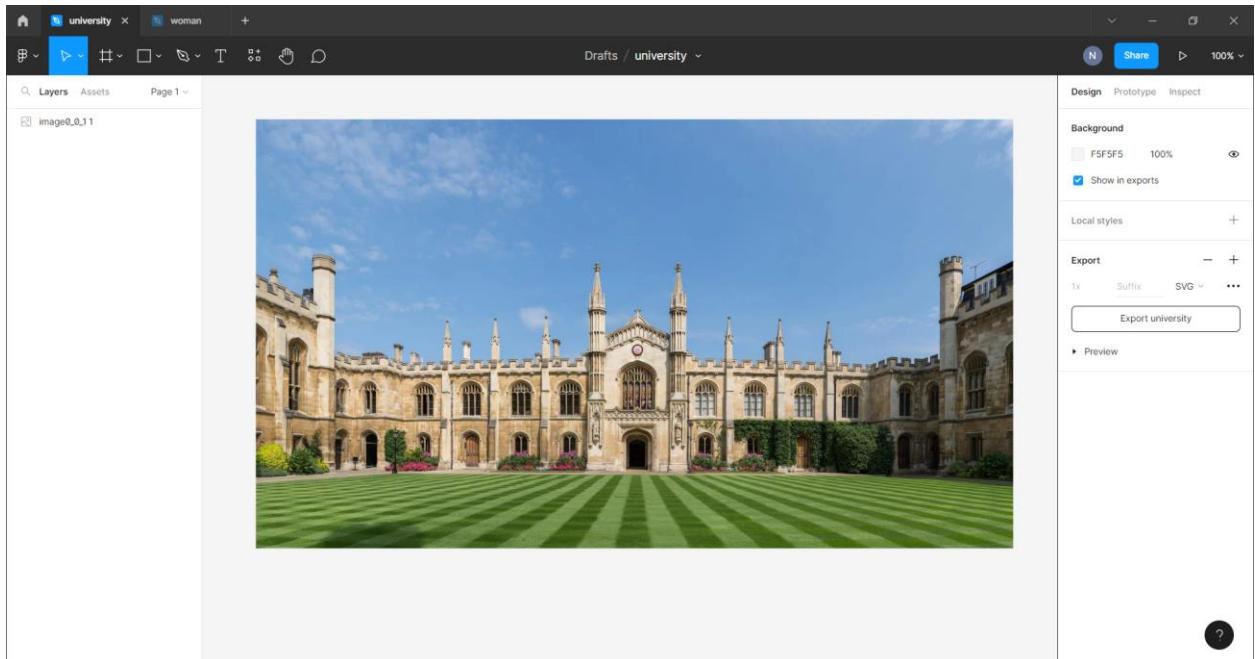
index.css
49 /* CSS for the button */
50 .btn {
51     display: inline-block;
52     padding: 0.5em 0.5em;
53     font-size: 1em;
54     font-weight: bold;
55     text-align: center;
56     text-decoration: none;
57     border: 3px solid #333;
58     color: #333;
59     background-color: #ffe7e7;
60     cursor: pointer;
61     transition: all 0.3s ease-in-out;
62     border-radius: 20px;
63     margin: 20px 40px 10px 30px;
64 }
65
66 .btn:hover {
67     background-color: #333;
68     color: #fff;
69 }
70
```

Below is how the HTML web page looks like with the defined CSS. As you can see the CSV data from the “DC_Public_Schools.csv” file from the GitHub Gist is loaded using the d3 function. It shows the data summary of the file, the size of the file, Number of rows, Number of Columns and Column headings are also displayed for all 27 columns.



3. Convert an image to an SVG using Figma and create a URL link for your svg. Submit the URL link. Use this URL as a background image when displaying the data.

I have downloaded the image of a university from the web browser and opened it from the Figma. I have now exported the file as SVG. This converts the image to SVG.



Below is how the SVG file of the image looks like, with tags and image id.

```

# university.svg
C: > Users > badda > OneDrive > Desktop > SDV > ICE-5 > # university.svg
1  <svg width="927" height="520" viewBox="0 0 927 520" fill="none" xmlns="http://www.w3.org/2000/svg" xmlns:xlink="http://www.w3.org/1999/xlink">
2  <rect width="927" height="520" fill="#F5F5F5"/>
3  <rect width="927" height="520" fill="url(#pattern0)"/>
4  <defs>
5  <pattern id="pattern0" patternContentUnits="objectBoundingBox" width="1" height="1">
6  <use xlink:href="#image0_0_1" transform="matrix(0.000260417 0 0 0.000464243 0 -0.00138221)"/>
7  </pattern>
8  <image id="image0_0_1" width="3840" height="2160" xlink:href="data:image/png;base64,
1VBORw0KGgoAAAANSUhEUgAADwAAAhhwCAYAACQvstyAAAAAXNSR0IArS4cQAAxABJREFUe7svYuK0730Ja7e/952AwymNFJBBEGejxMEEz75u+2A1hdFLYnFK1/21T442F/bdZEoijdxkef/9n/9f7ftxufitj8/
h17mfT5f7tr+/f0//Gxf7x7j7PfFrdetTpft7x07z3W76/otcdB7j5jxa1T948Tdf+qf18u/c1txPz8Gd1f0d5l1hny8f19Tfxw12zezjuurbxni+39gvz9/ybm1cxvn38d9v/svp9Na0PG8cn42ndjvqe2/
vbfbVbVes/UXJX67X9//y7u9hz4mx01pxuAno/Tz/+xygxXH6CXUv18pm1flRy6z/SaLPFZryu04z5h/Lm9FrCvcvXmr/Fmv81dyh#fcOVf08px0T9/Pw/Edm7rx//ze1g+8b2WH/d1srzfjyPK14Q/jN6X/W
+cx3X6/fpu30r3RONBO/07rIXzbj/hOp+Vz3g+ePxTxnxFrVbf85Y9Bj6c/770mBMeHxie9nMLPoJWbH3vR3jxvNzul70mdck/F1fn7tY5Qf57Bm7f67zkdGL2t+05m9RXY9+tsEP4y+ipPyjFYH5os/
zd9HfsDvgPnHSQ9w+8UPM1/01Ppwh9/eJaletfVzPkw+rkcopcefxqu8H7ckpdh2P0mL83nJ4AP5g/sd+6bje1VxDZ6PPZt3z8jP2fGfvVh/CY3qgevpy+j65b28vhv7on
+u4b05fflqnqjyHstg5zrt3DvIDNf5XPxPro+e3U1uY1p2/jW6Mhfzy/4Dvq9/lBckFHgvs1/Oveyz5z05vnx0u995u+x3fMgU/R8rfugjA518j1t+r3LK7t26+v3LT5Cct21L4vdL9c2/9Eouj+
20670w/jpR0H/U/5f4cU1xtuFe32Ytutnsy3oeekVGJ6bv1j01zinpFvDh3Bv2t8qYahiry+23z8/2r9s+Yb/Ecyb7l/1Wt+3FF7Y3W3RwUuM6odNeu+m8t68VH67/e0p6K0A/40dbnZ3L5VQ8908frfhuqx/
YX/dTYS3shaypCY72kWxOss596W/b1mMnf/gc/7P5j935917F6knb28lutt5lxz1/oXh0/n5TmyafB603z8yy3xmnAno/mFX16M9+j+kP082z8X9XgWNR30C15/sr0p4ivfX0Y0/d55/alPhfxhpPSu+hj0pN8v3yc0
+AZU/Hd4cnaD2xswls9013N/yrTiox-vvHeTnPv/authael63Hlbfcl3vz+oXyQ4yyg4dJ70d5f/Xc4m/k0cp953jTrxnL/kv9p6/uryax15Vf77v39kcbqbjst/knn+8v9k0Gf+mez8TcwifqJXzh/rhbd/
YX/dTYS3shaypCY72kWxOss596W/b1mMnf/gc/7P5j935917F6knb28lutt5lxz1/oXh0/n5TmyafB603z8yy3xmnAno/mFX16M9+j+kP082z8X9XgWNR30C15/sr0p4ivfX0Y0/d55/alPhfxhpPSu+hj0pN8v3yc0
+9585pXtmXftm28qf904h06G3+BX45f9v8jzv1ElMDtR/RK/r3f/2f0v3a3cf3dF5nf1gnb8b45Spn9Jh0T9u7qX9hskn+n7y0vek6wffs+th29stezed3jEY1/k969gYkdws8dsu2bu8CzJt
+93k5W38IL840MTNy/F555nv/NXpGt+speirj/lfcz/GneExaanyxd109f2X/aoY4qzPMPdh/HKnUmMfi1hj10tgm3y5P+4vx07voeEz+1H#H+5Z/+8qN/E/Y+60M488aas3Pf1cvfdurd+7f192+Qq05AUZC1105f5Ng+vj49YFz/kltP2zPf8t
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```

Now I have copied the above SVG content and pasted it on the GitHub Gist file “university.svg” as shown below. Now I create a public gist.

Gist description...

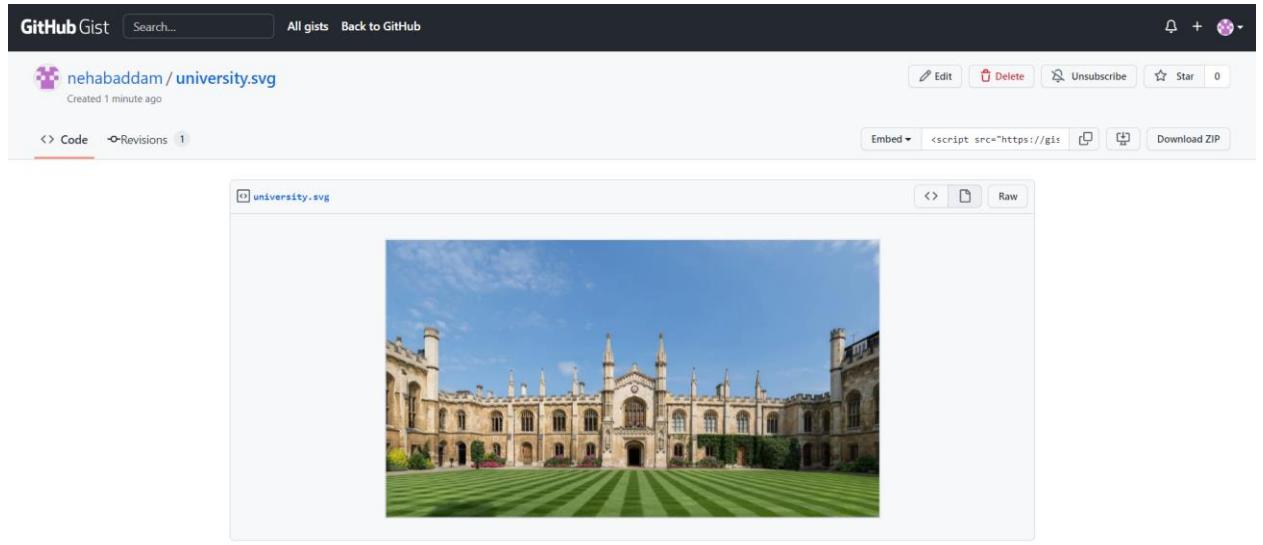
university.svg
Spaces ↴ 2 ↴ No wrap ↴

```

1  <svg width="927" height="520" viewBox="0 0 927 520" fill="none" xmlns="http://www.w3.org/2000/svg" xmlns:xlink="http://www.w3.org/1999/xlink">
2  <rect width="927" height="520" fill="#F5F5F5"/>
3  <rect width="927" height="520" fill="url(#pattern0)"/>
4  <defs>
5  <pattern id="pattern0" patternContentUnits="objectBoundingBox" width="1" height="1">
6  <use xlink:href="#image0_0_1" transform="matrix(0.000260417 0 0 0.000464243 0 -0.00138221)"/>
7  </pattern>
8  <image id="image0_0_1" width="3840" height="2160" xlink:href="data:image/png;base64,
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```

Add file
Create public gist

Below is how the file looks after creating the gist. Now click on the “Raw” option and copy the link of the raw SVG.



After copying the URL for the image, I have now pasted it in the background image section of the body element in “index.css” file in VizHub. This should make the image in the URL the background for the webpage that we have created, styling the webpage with the background image.

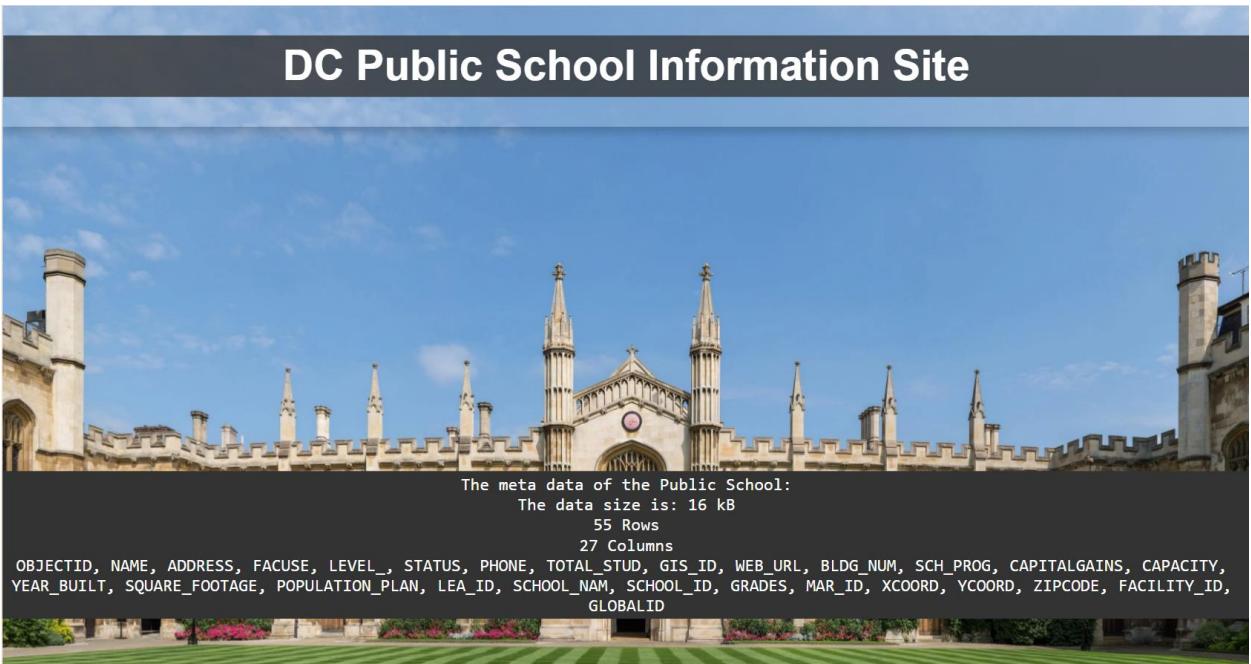
```

files
index.css
index.html
README.md

index.css
1 /* CSS for the entire page */
2 body{
3   font-family: Arial, sans-serif;
4   background-image:
url('https://gist.githubusercontent.com/nehabaddam/21753031a960f0a234037fea5897eac4/raw/c931fa162e1de34f685b856a8065ef1aaff77e90/university.svg');
5   background-repeat: no-repeat;
6   background-size:65em;
7   background-position:x:center;
8   margin: 0;
9   padding: 0;
10 }
11
12
13 /* CSS for the header */
14 h1 {
15   text-align: center;
16   padding: 5px;
17   background-color: #333c;
18   color: white;
19 }
20
21 h4 {
22   text-align: center;
23   padding: 20px;
24   background-color: #333c;
25   color: white;
26 }

```

As you can see below, the image appears as the background for the webpage.



SVG Link:

<https://gist.githubusercontent.com/nehabaddam/21753031a960f0a234037fea5897eac4/raw/c931fa162e1de34f685b856a8065ef1aaff77e90/university.svg>

4. To view the dataset, add a href tag to your HTML code. Your dataset should appear on your webpage when you tap the hyperlink. submit the code's VizHub URL.

Now I have added a href, to create a hyperlink that opens the dataset. I added CSS styling to make it look like a button “Public School Dataset”.

The screenshot shows the GitHub Gist interface. On the left, the file structure is visible with files: index.html, index.css, index.html, and README.md. The index.html file contains the following code:

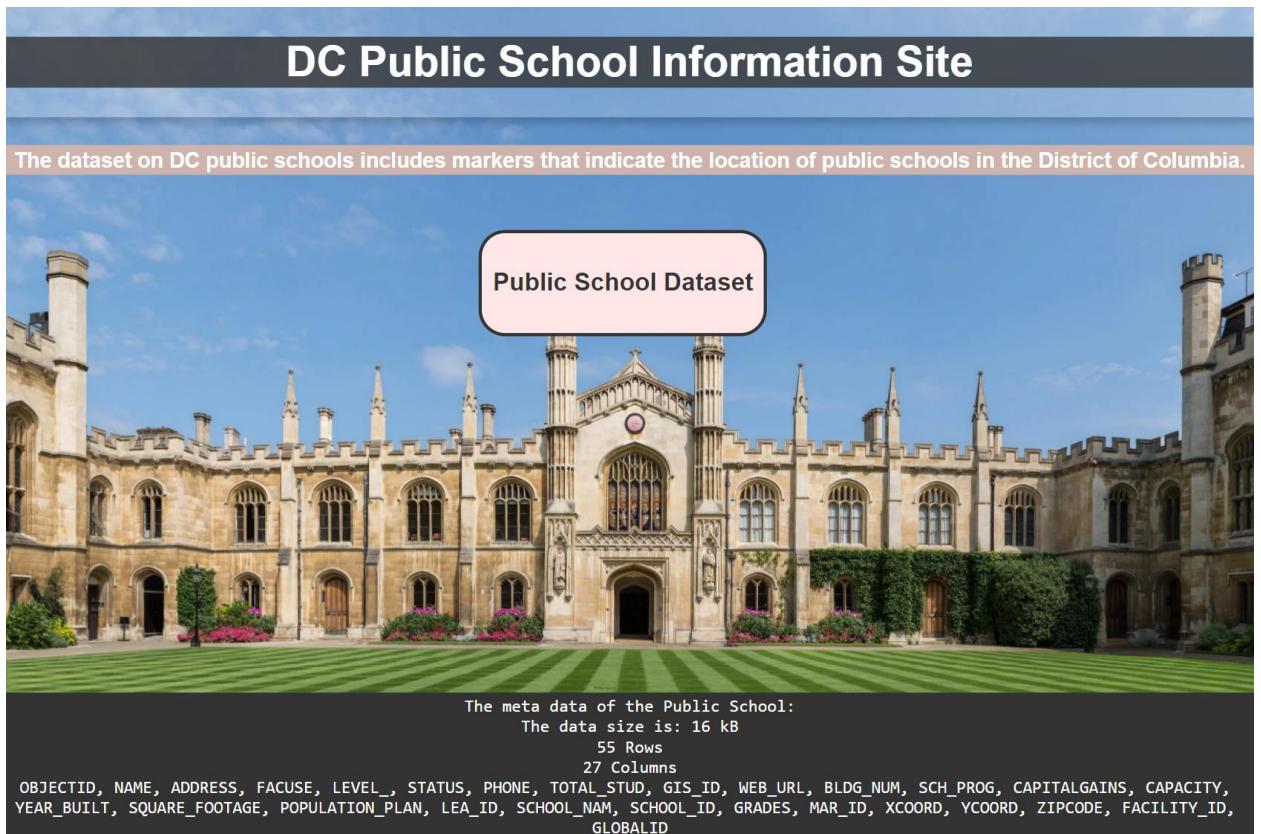
```

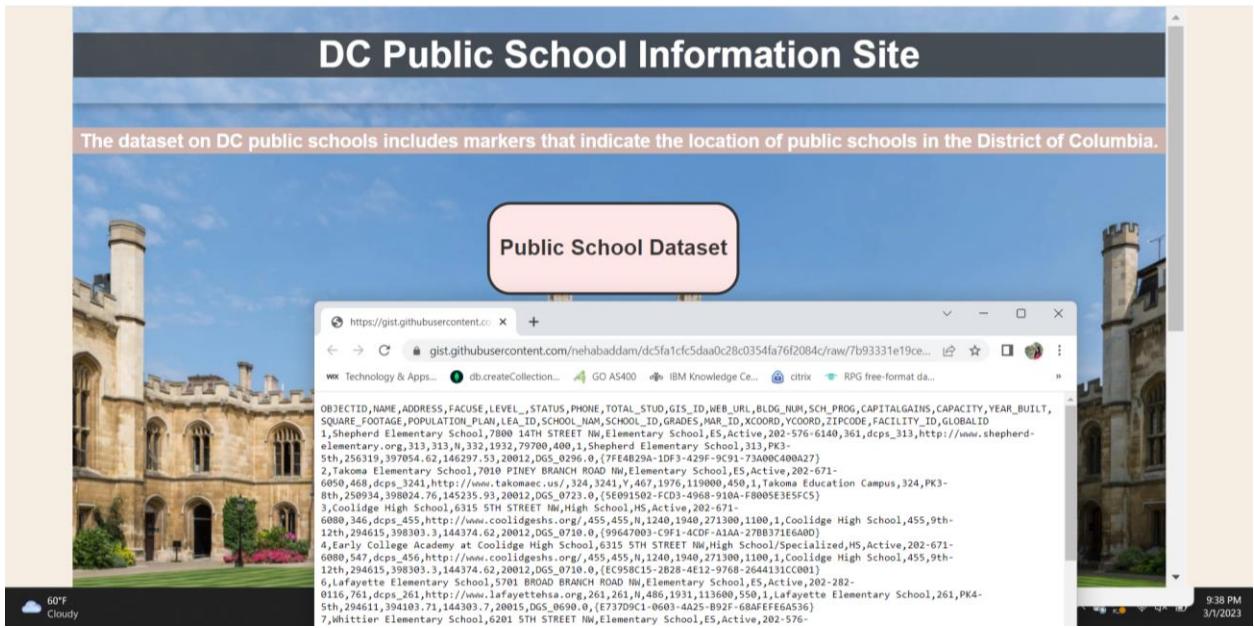
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>ICE5</title>
5     <link rel="stylesheet" href="index.css">
6     <script src="https://unpkg.com/d3@7.3.0/dist/d3.min.js"></script>
7   </head>
8   <body>
9     <div class="container"> h1>DC Public School Information Site</h1>
10    </div>
11    <b><div>The dataset on DC public schools includes markers that indicate the location of public schools in the District of Columbia.</div></b>
12    <a class="btn" href="https://gist.githubusercontent.com/nehabaddam/dc5fa1fc5daa0c28c0354fa76f2084c/raw/7b93331e19ce4c6415d1e7ae4398234eeec020/DC_Public_Schools.csv"><b>Public School Dataset</b></a>
13    <pre id="message-container"></pre>
14  </center>
15  <script> const csvURL =
16    "https://gist.githubusercontent.com/nehabaddam/dc5fa1fc5daa0c28c0354fa76f2084c/raw/7b93331e19ce4c641
17    5d1e7ae4398234eeec020/DC_Public_Schools.csv";
18    d3.csv(csvURL).then(data => {
19      let message="The meta data of the Public School:\nThe data size is: ";
20      message=message+Math.round(d3.csvFormat(data).length /1024) + ' kB\n';
21      message=message + data.length + ' Rows\n';
22      const columns = data.columns.slice(0, 27);
23      message = message+ columns.join(' , ') + '\n';
24      document.getElementById('message-container').textContent=message;
25    });
26  </script>
27 </body>
28 </html>
29

```

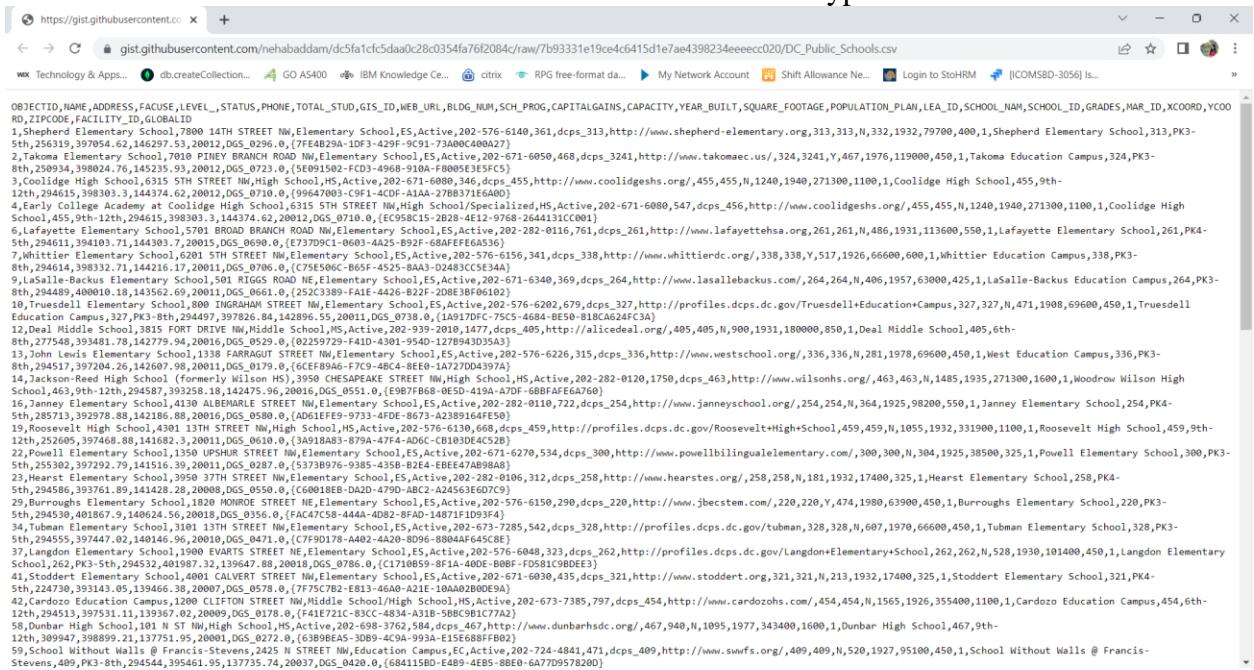
The right side shows the rendered preview of the webpage. The title is "DC Public School Information Site". A callout bubble labeled "Public School Dataset" points to the download link. Below the title, there is a large image of a Gothic-style building, likely a school. The page footer includes the author's GitHub profile, last edit date, forks, and license information.

This is now the final Webpage looks like. Now When I click on “Public School Dataset” , a new tab opens in the browser with the GitHub Gist CSV data.





Below is how the CSV content is loaded when we click on the hyperlink.



VizHub Link:

<https://vizhub.com/nehabaddam/d10ac22c348545ed954cff55a3c73549?edit=files&file=index.css>

VizHub ID: nehabaddam