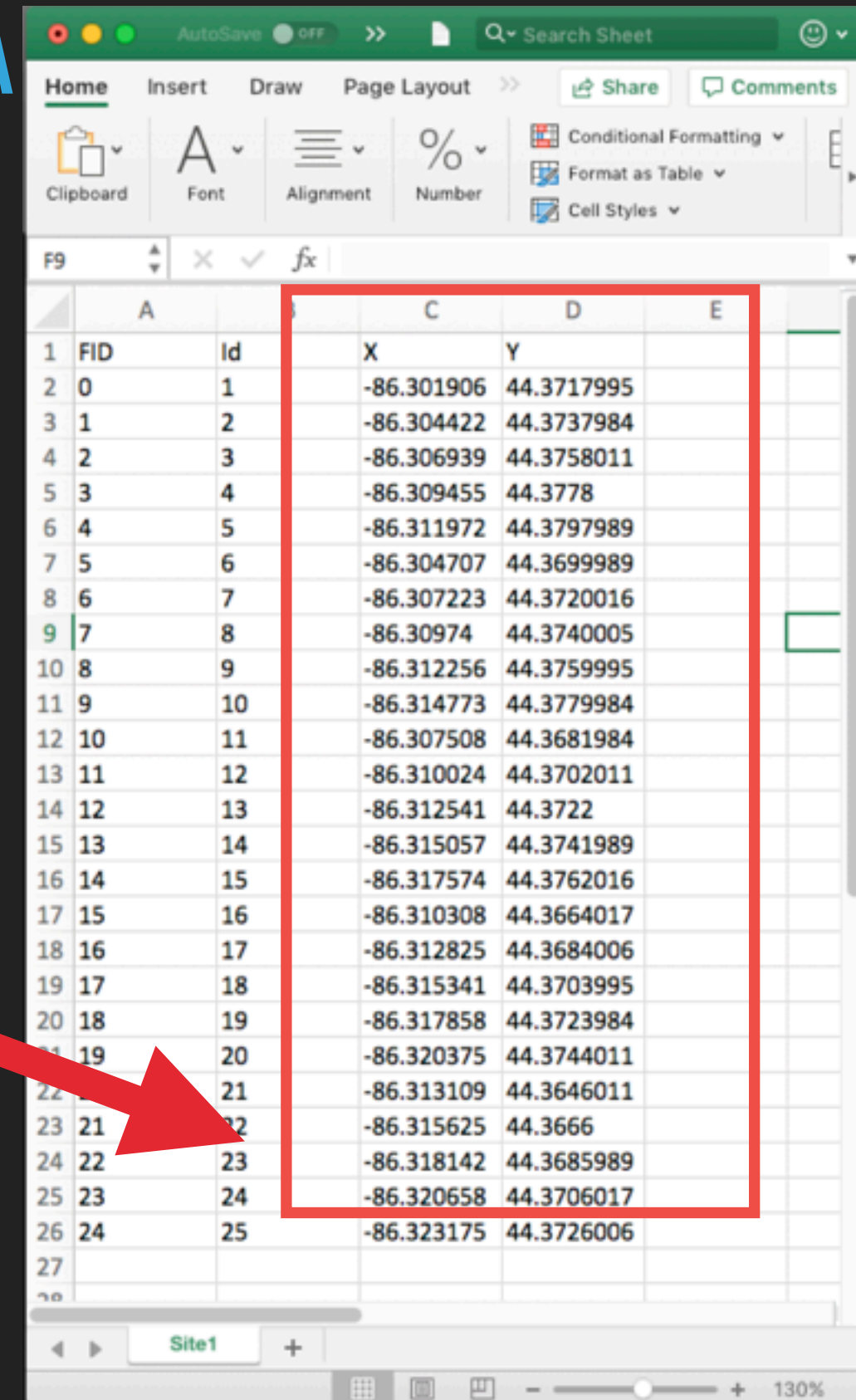


HOW IS LOCATION REPRESENTED IN DATA

Latitude, Longitude

- ▶ Most common format for representing location
- ▶ Often represented in tables
- ▶ Can be converted to spatial data

IMPORTANT TO KNOW WHAT
THE COORDINATE SYSTEM IS



	A	B	C	D	E
1	FID	Id	X	Y	
2	0	1	-86.301906	44.3717995	
3	1	2	-86.304422	44.3737984	
4	2	3	-86.306939	44.3758011	
5	3	4	-86.309455	44.3778	
6	4	5	-86.311972	44.3797989	
7	5	6	-86.304707	44.3699989	
8	6	7	-86.307223	44.3720016	
9	7	8	-86.30974	44.3740005	
10	8	9	-86.312256	44.3759995	
11	9	10	-86.314773	44.3779984	
12	10	11	-86.307508	44.3681984	
13	11	12	-86.310024	44.3702011	
14	12	13	-86.312541	44.3722	
15	13	14	-86.315057	44.3741989	
16	14	15	-86.317574	44.3762016	
17	15	16	-86.310308	44.3664017	
18	16	17	-86.312825	44.3684006	
19	17	18	-86.315341	44.3703995	
20	18	19	-86.317858	44.3723984	
21	19	20	-86.320375	44.3744011	
22	20	21	-86.313109	44.3646011	
23	21	22	-86.315625	44.3666	
24	22	23	-86.318142	44.3685989	
25	23	24	-86.320658	44.3706017	
26	24	25	-86.323175	44.3726006	
27					
28					

HOW IS LOCATION REPRESENTED IN DATA

▶ Another common
Address
format for representing
location

- ▶ Assumes a street network reference system
- ▶ Requires additional processing before it can be mapped or analyzed spatially
- ▶ We will learn **Geocoding** in a few weeks

A1	CDSCode	NCESDist	NCESSchool	StatusType	School	StreetAbr	City	Zip	State	OpenDate	ClosedDate	LastUpDate
1	01100170C0691051			Active		313 West Winton Ave.	Hayward	94544-1136	CA			2/2/2017
2	01100170C0691051	10546		Closed	FAME Public Charter	39859 Balentine Dr., Ste. 335	Newark	94560-5359	CA	8/29/2005	7/31/2015	9/1/2015
3	01100170C0691051	10947		Active	Envision Academy for Arts & Technology	1515 Webster St.	Oakland	94612-3355	CA	8/28/2006		7/26/2017
4	01100170C0691051	12844		Active	Community School for Creative Education	2111 International Blvd.	Oakland	94606-4903	CA	8/22/2011		8/16/2017
5	01100170C0691051	12901		Active	Yu Ming Charter	1086 Alcatraz Ave.	Oakland	94608-1265	CA	8/9/2011		5/10/2016
6	01100170C0691051	13008		Active	Urban Montessori Charter	5328 Brann St.	Oakland	94619-3312	CA	8/27/2012		4/10/2018
7	01100170C0691051			Closed	Technical, Agricultural & Nat.	597 C St.	Hayward	94541	CA	7/1/1980	6/30/1989	6/24/1999
8	01100170C0691051	09264		Active	Alameda County Juvenile Hall/Court	2500 Fairmont Ave.	San Leandro	94578-1005	CA	7/1/1980		7/3/2018
9	01100170C0691051	06830		Active	Alameda County Community	313 West Winton Ave.	Hayward	94544-1136	CA	7/1/1980		2/13/2018
10	01100170C0691051	09265		Closed	Alameda County Opportunity	313 West Winton Ave.	Hayward	94544-1136	CA	7/1/1980	6/30/2013	4/28/2014
11	01100170C0691051			Closed	Berkeley Trade & Tech. College					7/1/1980	6/30/1989	6/24/1999
12	01100170C0691051	13887		Active	Oakland Unity Middle	7200 Bancroft Ave. Ste. 261	Oakland	94605-2403	CA	8/23/2015		10/20/2017
13	01100170C0691051			Closed	Canyon Valley Adult School					7/1/1980	6/30/1989	6/24/1999
14	01100170C0691051	14091		Active	Connecting Waters Charter - East Bay	12420 Bendley St.	Waterford	95386-9150	CA	8/16/2017		3/14/2018
15	01100170C0691051	14090		Active	Opportunity Academy	2300 International Blvd.	Oakland	94601-1019	CA	9/5/2017		3/14/2018
16	01100170C0691051			Closed	Roosevelt High (Defunct)					7/1/1980	6/30/1989	6/24/1999
17	01100170C0691051			Active	Aurum Preparatory Academy	1054 66th Ave.	Oakland	94621-3536	CA	8/13/2018		7/30/2018
18	01100170C0691051			Closed	University High School (Defunc					7/1/1980	6/30/1989	6/24/1999
19	01100170C0691051			Closed	Washington Evening High (Defun					7/1/1980	6/30/1989	6/24/1999
20	01100170C0691051	04257		Active	Cox Academy	9860 Sunnyside St.	Oakland	94603-2750	CA	7/1/1980		8/14/2017
21	01100170C0691051	04288		Active	Lazear Charter Academy	824 29th Ave.	Oakland	94601-2205	CA	7/1/1980		8/23/2016
22	01100170C0691051			Closed	Chabot Ranch	2500 Fairmont Dr.	San Leandro	94578	CA	7/1/1980	6/30/1989	6/24/1999
23	01100170C0691051			Merged	Juvenile Court Schools	2400 Fairmont Dr.	San Leandro	94578	CA	7/1/1980	6/22/1987	6/24/1999
24	01100170C0691051			Closed	Las Vistas School	2200 Fairmont Dr.	San Leandro	94578	CA	7/1/1980	6/30/1989	6/24/1999
25	01100170C0691051			Closed	Senior Camp	2600 Fairmont Dr.	San Leandro	94578	CA	7/1/1980	6/30/1989	6/24/1999
26	01100170C0691051			Closed	Snedigar Cottage	2100 Fairmont Dr.	San Leandro	94578	CA	7/1/1980	6/30/1989	6/24/1999
27	01100170C0691051			Merged	Koster/Whiteford Special Center	35725 Cedar Ave.	Newark	94560	CA	7/1/1980	6/22/1987	6/24/1999
28	01100170C0691051			Closed	Whiteford School (TMR)	685 A St.	Hayward	94541	CA	7/1/1980	6/30/1989	6/24/1999
29	01100170C0691051			Closed	Alameda County Special Education	685 A St.	Hayward	94541	CA	7/1/1980	7/24/1984	6/24/1999
30	01100170C0691051			Closed	Buena Vista School (Girls)	2200 Fairmont Dr.	San Leandro	94578	CA	7/1/1980	6/30/1989	6/24/1999
31	01100170C0691051			Merged	Whiteford (June) School	35725 Cedar Blvd.	Newark	94560	CA	7/1/1980	6/30/1989	6/24/1999
32	01100170C0691051			Merged	School for School-Age Mothers	8151 Village Pkwy.	Dublin	94568	CA	7/1/1980	6/30/1989	6/24/1999
33	01100170C0691051			Closed	Sequoia Deaf/Blind Program	685 A St.	Hayward	94541	CA	7/1/1980	7/24/1984	6/24/1999
34	01100170C0691051			Merged	Burke (William P.) Special Center	612 West A St.	Hayward	94541	CA	7/1/1980	6/22/1987	6/24/1999
35	01100170C0691051			Closed	East County Dch	7997 Vornac Rd.	Dublin	94566	CA	7/1/1980	6/30/1989	6/24/1999
36	01100170C0691051			Merged	La Fleche (Rock) Special Center	6925 Chabot Rd.	Oakland	94618	CA	7/1/1980	6/22/1987	6/24/1999
37	01100170C0691051			Merged	Motta (Ronald) Special Center	40950 Chapel Way	Fremont	94538	CA	7/1/1980	6/22/1987	6/24/1999
38	01100170C0691051	08672		Active	Alameda County Special Education	313 West Winton Ave.	Hayward	94544-1136	CA	7/1/1980		10/13/2015
39	01116090C060002			Active		500 Walnut Ave.	Fremont	94536-4355	CA			11/20/2017
40	01116090C060002	10346		Active	California School for the Blind	500 Walnut Ave.	Fremont	94536-4355	CA	7/1/1980		11/10/2016
41	01116170C060003			Active		39350 Gollaudet Dr.	Fremont	94538-2308	CA			7/27/2017
42	01116170C060003	10347		Active	California School for the Deaf-Fremont	39350 Gollaudet Dr.	Fremont	94538-2308	CA	7/1/1980		6/27/2017
43	0114003770601207			Closed	David W. Gordon Gout. Affairs	DN Box 946773	Sacramento	94768	CA	7/1/1980	6/30/1989	6/24/1999