CGT 270 Data Visualization
Makeover Monday #2 (2018 Dataset)

Name: Keegan **Date:** 3/28/2022 **Max points:** 25

Lab section: Thursday 9:30

Show your work!!!

Acquire

Week: 12

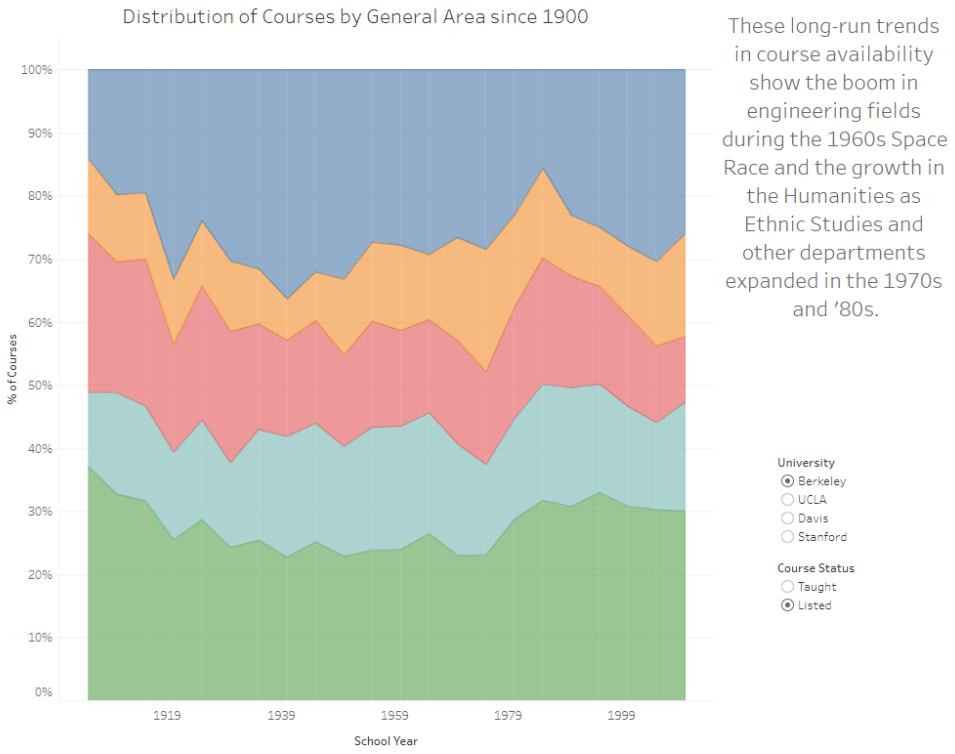
Date: Mar23 Year: **2020** Data: California University History: Number of Distinct Fields of Study by University

Source Article/Visualization:

http://uccliometric.org/course-interactive-dashboard/

https://www.makeovermonday.co.uk/data/data-sets-2018/

Represent



Critique

Critique the visualization: I like how it shows the different fields and what percentage of each field there is, but there is no legend for the different colors, and percentages do not show the change of total number of classes.

Based on your knowledge of the Periodic Table of Visualization Methods (discussed in class this week), discuss which one of the 6 categories does the visualization you provided in the Represent stage falls in.

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Identify the method most closely related to the visualization in the Represent Stage and discuss the characteristics: overview, detail, detail AND overview, divergent thinking, convergent thinking. Refer to Week 10 Readings to assist with categorizing the visualization.

This is an area chart, and is a Data Visualization.

Mine

What question(s) are you attempting to answer? Number of classes in different areas offered at UC Berkeley from 1900 to 2010

Filter

Year	Education	Engineering	Humanities	Natural Sciences	Professional	Social Sciences
1900	29	71	173	143	58	54
1901	34	74	227	153	56	66
1902	32	73	305	180	77	64
1903	36	71	229	155	65	82
1904	22	80	219	147	29	101
1906	23	65	290	153	107	134
1908	34	88	285	177	135	140
1909	24	84	152	127	115	83
1910	33	84	201	159	59	117
1911	31	104	279	200	141	122
1912	35	114	264	183	143	139
1913	15	76	253	196	67	105
1914	43	54	310	219	235	136
1915	76	142	325	191	340	81
1916	30	84	175	147	281	130
1917	72	113	306	217	293	183
1918	80	143	329	241	335	210
1919	90	119	344	190	326	201
1920	97	133	402	224	143	183
1921	87	95	332	222	210	182
1922	103	134	348	237	211	200
1923	74	123	324	245	160	206
1924	103	117	264	304	201	147
1925	99	122	269	278	124	95
1926	48	58	239	218	306	94
1927	58	127	220	155	334	141
1928	96	115	216	205	151	161
1929	49	114	223	140	185	151
1930	99	113	231	135	150	113
1931	110	101	252	130	211	217
1932	54	57	234	192	180	159
1933	79	118	336	210	373	235
1934	100	95	361	259	393	250
1935	174	119	354	223	296	254
1936	178	103	363	233	325	264

1937	185	84	340	241	378	274
1938	111	89	319	198	456	302
1939	113	92	313	229	471	324
1940	110	94	329	190	504	334
1941	115	98	442	292	374	340
1942	120	161	449	303	411	336
1943	95	112	401	305	319	257
1944	83	126	312	153	321	173
1945	100	139	379	190	362	271
1946	155	331	553	332	742	434
1947	133	418	753	507	758	454
1948	158	433	637	418	663	596
1949	141	268	706	457	1,156	537
1950	147	517	746	532	897	619
1951	147	286	723	522	643	581
1952	150	341	754	540	599	618
1953	151	568	774	548	740	632
1954	155	284	803	524	710	655
1955	161	551	788	532	679	638
1956	158	465	753	505	713	645
1957	158	436	814	507	891	631
1958	140	316	790	437	736	642
1961	120	403	707	438	880	494
1962	122	251	647	327	449	541
1963	127	450	1,014	473	888	613
1964	163	184	944	606	905	743
1965	175	906	1,046	691	791	675
1966	183	709	847	659	858	745
1967	189	579	860	623	972	690
1968	37	370	872	703	931	709
1969	224	788	1,101	667	1,079	802
1970	237	1,182	1,029	649	1,004	762
1971	243	776	890	673	980	662
1973	212	775	1,066	641	1,035	638
1974	220	682	1,100	627	1,094	474
1975	215	660	1,414	709	1,121	682
1976	49	895	1,488	530	777	879
1977	264	580	1,443	933	1,013	724
1978	245	769	1,526	1,364	1,361	809
1979	41	764	1,342	866	674	900
1980	48	784	1,402	838	487	772
1981	83	496	1,311	675	753	616
1983	60	896	1,872	1,290	879	1,070
1984	58	644	1,716	1,141	717	1,200
1985	62	632	1,905	1,139	782	1,110
1986	253	638	1,756	980	1,346	1,176
1987	248	609	1,893	1,075	1,293	1,212
1988	258	602	2,173	1,178	1,329	1,002
1989	273	499	1,778	1,063	1,247	1,301
1990	275	586	2,047	980	1,421	1,013
1991	288	579	2,217	1,278	1,456	1,064
1992	305	598	2,200	911	1,401	1,207
1993	285	622	2,219	909	1,085	1,100
1994	304	696	2,214	1,021	1,406	1,286
1995	232	672	2,226	868	1,593	1,111
1997	235	550	1,849	953	1,281	977
1999	252	860	1,738	872	1,670	891
2001	261	765	1,614	680	1,536	821
2003	271	887	2,127	812	1,675	877
2005	215	904	2,124	636	1,580	908
2007	51	1,164	1,835	645	1,266	1,135
2009	48	1,069	1,869	739	1,872	1,280
2011	219	1,370	1,875	696	1,888	1,257

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Stakeholders

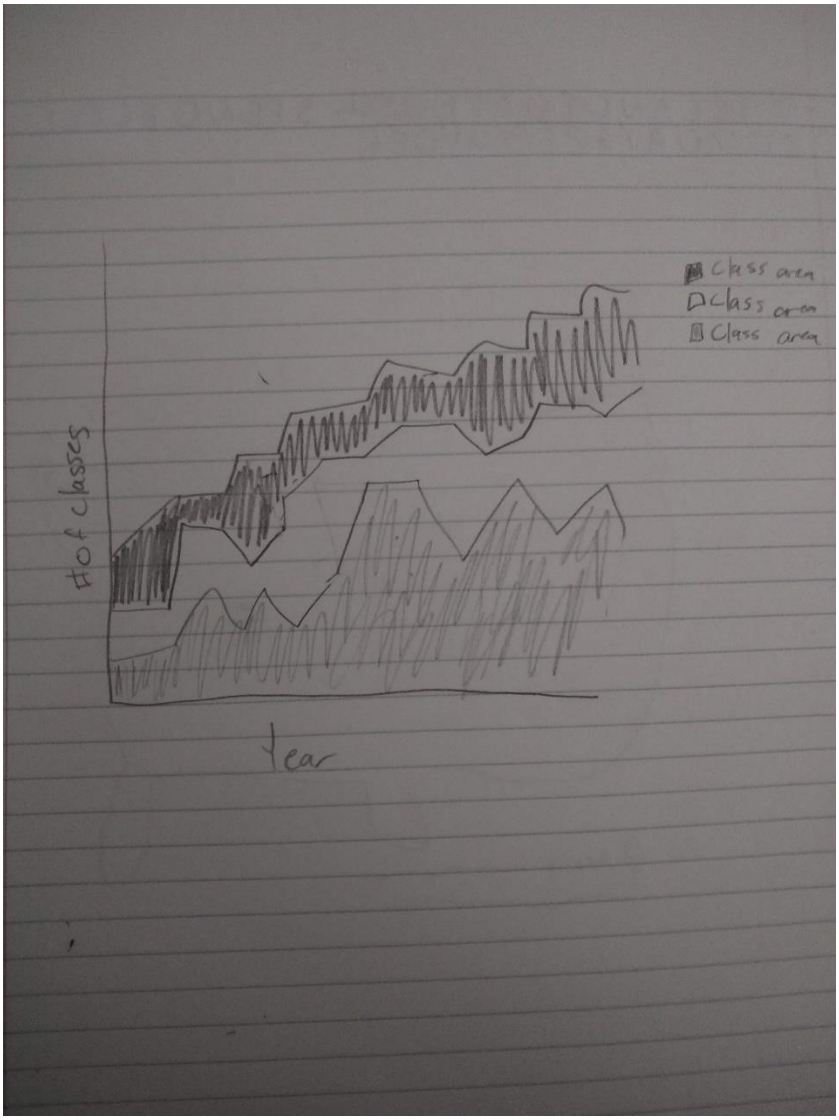
- Audience is everyone interested in what classes are offered at UC Berkeley, Assumptions are that all classes are included, and all years are included

What to submit: This document in PDF format only (if you do not know how to do this, see Lab 0 Exercise 1). Save this document as: LastnameFirstInitial_CGT270S22_MakeoverMonday#2.pdf

Choose the best layout for your makeover visualization: Portrait or Landscape, Remove the page of the layout that you DO NOT choose. No blank pages!

NEW Sketch your Makeover

In the space below, sketch out your ideas for refined visualization. You must use pen/pencil and paper to sketch out your idea, then take a photo of your sketch and include it in the space below.



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Refine (Makeover – Landscape view)

Use an additional page if necessary. Remember, the purpose of visualization is "insight." Take and include a screenshot of your visualization and include it below. Use Data Visualization Best Practices (see data visualization checklist). You MUST use more advanced chart types for your makeover. **Chart types that are not allowed: bar (single or stacked), pie, line charts, scatter plots, no tables.**

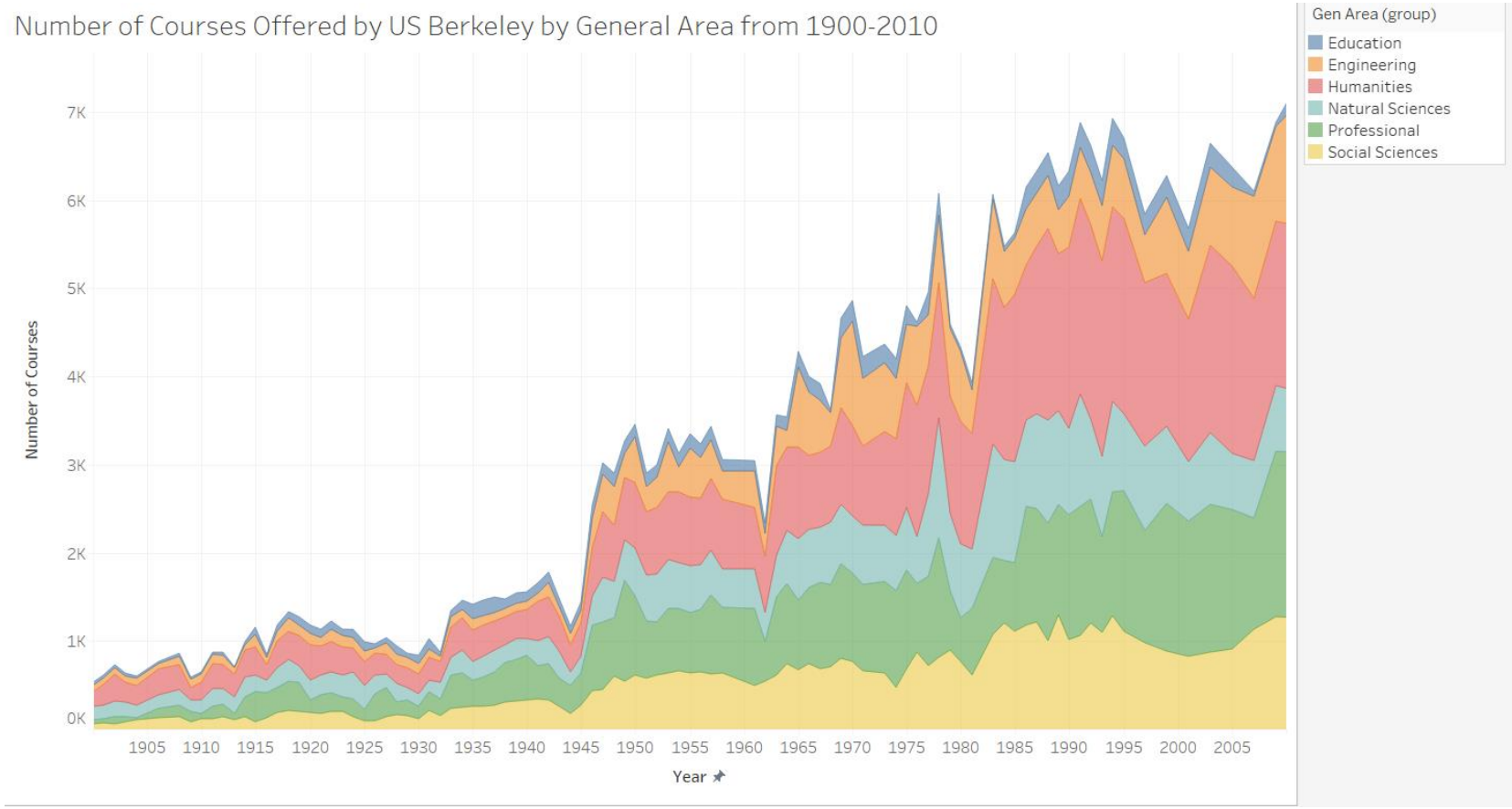

Figure Caption. Number of classes offered at the University of California-Berkeley from 1900-2010. Classes are divided into 6 Categories depending on topic

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Resources
Data Visualization Checklist:
http://stephanieevergreen.com/wp-content/uploads/2016/10/DataVizChecklist_May2016.pdf

How to give constructive criticism:
https://personalexcellence.co/blog/constructive-criticism/

Sample Makeovers
https://www.makeovermonday.co.uk/gallery/

Grading Rubric

Excellent	**Good**	**Fair**	**Needs Improvement**
Meets **ALL** or most of these: Makeover is esthetically pleasing (color, perception), best practices followed (insightful), Correct dataset downloaded; provided an interesting point of view of the data; critiqued previous makeover, critique is constructive (indicates one thing that is done well, and one thing that could be done differently, what will be done to improve the visualization), assumptions (more than one) are listed. [15 pts]	Meets **MOST** of these: Makeover is esthetically pleasing (color, perception), best practices followed (insightful), Correct dataset downloaded; provided an interesting point of view of the data; critiqued previous makeover, critique is constructive (indicates one thing that is done well, and one thing that could be done differently, what will be done to improve the visualization), assumptions (more than one) are listed. [10 – 14 pts]	Consistently meets **SOME** of these: Makeover is esthetically pleasing (color, perception), best practices followed (insightful), Correct dataset downloaded; provided an interesting point of view of the data; critiqued previous makeover, critique is constructive (indicates one thing that is done well, and one thing that could be done differently, what will be done to improve the visualization), assumptions (more than one) are listed. [5 – 9 pts]	Little to no evidence of the understanding of the data visualization process. Lackluster makeover or no makeover. Little effort. [0 – 4 pts]
Sketch included: hand drawn, data vis best practices evident. [5 pts]	Sketch included: hand drawn, lacking data vis best practices. [3 pts]	Sketch included, but was generated by computer [2 pts]	No sketch included. [0 pts]
More advanced chart types used [5 pts]	More advanced chart types used, followed most best practices [3 pts]	Basic chat types used in the makeover [2 pts]	Little to no improvement in visual representation of the data [0 pts]