

R Notebook

Principles of Data Visualization and Introduction to ggplot2

```
library(ggplot2)
library(dplyr)
```

```
##
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':
##
##   filter, lag

## The following objects are masked from 'package:base':
##
##   intersect, setdiff, setequal, union
```

I have provided you with data about the 5,000 fastest growing companies in the US, as compiled by Inc. magazine. lets read this in:

```
inc <- read.csv("https://raw.githubusercontent.com/charleyferrari/CUNY_DATA_608/master/module1/Data/inc.csv")
```

And lets preview this data:

```
head(inc)
```

```
##   Rank      Name Growth_Rate  Revenue
## 1     1      Fuhu      421.48 1.179e+08
## 2     2 FederalConference.com 248.31 4.960e+07
## 3     3   The HCI Group 245.45 2.550e+07
## 4     4    Bridger 233.08 1.900e+09
## 5     5    DataXu 213.37 8.700e+07
## 6     6 MileStone Community Builders 179.38 4.570e+07
##           Industry Employees      City State
## 1 Consumer Products & Services      104 El Segundo CA
## 2      Government Services      51  Dumfries VA
## 3           Health      132 Jacksonville FL
## 4           Energy      50    Addison TX
## 5 Advertising & Marketing      220    Boston MA
## 6           Real Estate      63    Austin TX
```

```
summary(inc)
```

```
##      Rank      Name      Growth_Rate
## Min.   : 1      (Add)ventures      : 1      Min.   : 0.340
## 1st Qu.:1252    @Properties          : 1      1st Qu.: 0.770
## Median :2502    1-Stop Translation USA: 1      Median : 1.420
## Mean   :2502    110 Consulting          : 1      Mean   : 4.612
## 3rd Qu.:3751    11thStreetCoffee.com : 1      3rd Qu.: 3.290
## Max.   :5000    123 Exteriors          : 1      Max.   :421.480
##              (Other)          :4995
##      Revenue      Industry      Employees
## Min.   :2.000e+06  IT Services          : 733      Min.   : 1.0
## 1st Qu.:5.100e+06  Business Products & Services: 482      1st Qu.: 25.0
## Median :1.090e+07  Advertising & Marketing : 471      Median : 53.0
## Mean   :4.822e+07  Health              : 355      Mean   : 232.7
## 3rd Qu.:2.860e+07  Software            : 342      3rd Qu.: 132.0
## Max.   :1.010e+10  Financial Services   : 260      Max.   :66803.0
##              (Other)          :2358      NA's   :12
##      City      State
## New York      : 160      CA      : 701
## Chicago       : 90      TX      : 387
## Austin        : 88      NY      : 311
## Houston       : 76      VA      : 283
## San Francisco: 75      FL      : 282
## Atlanta       : 74      IL      : 273
## (Other)       :4438      (Other):2764
```

Think a bit on what these summaries mean. Use the space below to add some more relevant non-visual exploratory information you think helps you understand this data:

```
inc %>%
  filter(Employees > 233) # Show data where the number of employees is more than the median
```

```
##      Rank      Name      Growth_Rate      Revenue
## 1      13      uBreakiFix      141.02 1.700e+07
## 2      15      LivingSocial      123.33 5.360e+08
## 3      23      Wingspan Portfolio Advisors      87.69 7.700e+07
## 4      28      Kony      77.86 5.110e+07
## 5      29      OneSource Virtual      73.53 2.350e+07
## 6      39      Intellect Resources      65.54 3.000e+07
## 7      41      NSR Solutions      63.92 1.010e+07
## 8      42      Pangea Properties      62.18 2.830e+07
## 9      45      Silver Spring Networks      58.67 1.967e+08
## 10     64      GSC Packaging      48.13 1.126e+08
## 11     72      Rocket Fuel      44.51 1.066e+08
## 12     84      Next Step Living      38.90 2.940e+07
## 13     94      Alex and Ani      35.69 7.980e+07
## 14     97      Discovery Services      35.08 1.660e+07
## 15    109      Acquia      31.31 4.540e+07
## 16    136      Videology      27.27 1.375e+08
## 17    142      Cloud Sherpas      26.33 7.530e+07
## 18    164      BrightSource Energy      24.15 2.911e+08
## 19    179      Recondo Technology      22.61 3.040e+07
## 20    180      Sky Zone Indoor Trampoline Park      22.49 5.060e+07
## 21    194      Target Logistics      21.31 1.219e+08
```

## 22	203	CWU	20.62	1.020e+07
## 23	211	TaskUs	19.99	3.900e+06
## 24	222	OpenX	19.21	1.540e+08
## 25	249	SearchPros Solutions	17.27	2.760e+07
## 26	269	Veterans Enterprise Technology Solutions	16.02	7.930e+07
## 27	272	Movement Mortgage	15.92	9.200e+07
## 28	313	Wireless Communications	13.78	4.310e+07
## 29	343	Ustream	12.65	1.740e+07
## 30	360	Century Payments	12.18	2.064e+08
## 31	361	FCi Federal	12.18	7.090e+07
## 32	367	Marketo	12.05	5.840e+07
## 33	378	The Force Realty	11.73	6.500e+06
## 34	404	PalmerHouse Properties	11.03	7.200e+06
## 35	415	In-Flight Crew Connections	10.83	6.900e+06
## 36	416	OtterBox	10.81	5.739e+08
## 37	422	Stonegate Mortgage	10.74	9.550e+07
## 38	423	Preferred Sands	10.74	3.515e+08
## 39	429	Alego Health	10.62	8.600e+06
## 40	430	VDart	10.59	2.070e+07
## 41	441	Refresh Dental Management	10.31	3.110e+07
## 42	453	Brafton	10.14	1.670e+07
## 43	457	Encompass Digital Media	10.05	2.104e+08
## 44	469	Workday	9.84	2.737e+08
## 45	499	Clinipace Worldwide	9.19	5.190e+07
## 46	507	Bohme	9.00	1.370e+07
## 47	511	Digital Management	8.95	1.623e+08
## 48	534	GoldMax	8.53	2.679e+08
## 49	537	Stratosphere Quality	8.47	7.320e+07
## 50	538	Four Foods Group Holdings	8.47	2.280e+07
## 51	558	Cariloha	8.05	1.270e+07
## 52	569	Shore Construction	7.91	2.640e+07
## 53	587	Advanced Enterprises of NW FL	7.73	6.230e+07
## 54	613	ScribeAmerica	7.48	3.210e+07
## 55	619	AEPS	7.44	2.890e+07
## 56	622	Wastren Advantage	7.38	6.880e+07
## 57	645	Pacific Global	7.13	8.500e+06
## 58	663	Marin Software	6.91	5.960e+07
## 59	666	HubSpot	6.90	5.230e+07
## 60	668	Rapid Global Business Solutions	6.85	6.350e+07
## 61	672	VinSolutions	6.79	5.730e+07
## 62	681	21c Museum Hotels	6.73	4.600e+06
## 63	688	Customers Bank	6.64	1.030e+08
## 64	719	Synowledge	6.41	9.200e+06
## 65	729	Utopia	6.30	3.300e+07
## 66	745	Charming Charlie	6.15	3.710e+08
## 67	757	Tableau Software	6.05	1.277e+08
## 68	774	Willis Group	5.90	1.280e+08
## 69	779	Verengo Solar	5.83	1.081e+08
## 70	780	Access America Transport	5.83	3.506e+08
## 71	786	Roof Diagnostics Solar	5.80	2.860e+07
## 72	790	Revolution Foods	5.77	5.410e+07
## 73	807	Trulia	5.59	6.810e+07
## 74	808	Intone Networks	5.58	1.740e+07
## 75	813	Episource	5.56	9.400e+06

## 76	837	Gogo	5.34	2.335e+08
## 77	838	Evolve Bank & Trust	5.33	7.940e+07
## 78	843	NorAm International Partners	5.31	7.920e+07
## 79	846	HighTower Advisors	5.28	7.570e+07
## 80	871	CrossCountry Mortgage	5.13	5.660e+07
## 81	879	Personnel Services	5.05	2.070e+07
## 82	894	New Penn Financial	4.98	1.745e+08
## 83	906	IDC Technologies	4.88	5.770e+07
## 84	914	New American Funding	4.82	1.463e+08
## 85	917	Burrow Global	4.79	1.604e+08
## 86	937	Bay Equity	4.65	3.630e+07
## 87	953	Partner Professional Solutions	4.56	3.480e+07
## 88	955	CCS Construction Staffing	4.55	7.400e+06
## 89	957	Gateway Mortgage Group	4.53	8.210e+07
## 90	960	Advanced Disposal	4.51	1.400e+09
## 91	972	W.J Bradley Mortgage Capital	4.43	2.236e+08
## 92	980	Horizontal Integration	4.39	3.100e+07
## 93	985	Fusion Academy and Learning Center	4.37	1.320e+07
## 94	991	The Whitestone Group	4.36	5.650e+07
## 95	1007	Peerless Technologies	4.27	3.450e+07
## 96	1008	Matrix Medical Network	4.27	1.158e+08
## 97	1063	Innovative Spa Management	3.99	4.300e+06
## 98	1069	Systems Made Simple	3.94	1.671e+08
## 99	1077	Reliant Realty	3.90	1.340e+07
## 100	1079	InGenesis	3.89	8.360e+07
## 101	1085	Part Time Pros	3.87	3.200e+06
## 102	1090	Scrap Metal Services	3.85	3.565e+08
## 103	1094	Ruckus Wireless	3.84	2.147e+08
## 104	1102	Eating Recovery Center	3.81	4.410e+07
## 105	1105	Avella	3.79	4.939e+08
## 106	1116	Stearns Lending	3.76	4.933e+08
## 107	1136	FastMed Urgent Care	3.69	3.510e+07
## 108	1143	T-Force	3.66	2.650e+07
## 109	1148	Butterfly Effects	3.64	7.300e+06
## 110	1153	Surveying And Mapping	3.63	9.130e+07
## 111	1161	InfoStretch	3.61	1.760e+07
## 112	1165	Strike	3.61	5.452e+08
## 113	1168	College Hunks Hauling Junk	3.60	1.230e+07
## 114	1171	3Pillar Global	3.59	2.370e+07
## 115	1176	Best Well Services	3.57	3.900e+07
## 116	1178	MicroSeismic	3.57	7.910e+07
## 117	1187	HMS Global Maritime	3.54	9.160e+07
## 118	1190	Usablenet	3.52	5.900e+07
## 119	1197	Triton Digital	3.49	4.330e+07
## 120	1215	Patxi's Pizza	3.42	1.420e+07
## 121	1218	Guaranteed Rate	3.41	5.170e+08
## 122	1222	Employment Plus	3.39	3.456e+08
## 123	1228	Fractal Analytics	3.35	1.640e+07
## 124	1231	Spreadshirt	3.35	3.140e+07
## 125	1237	Beacon Hill Staffing Group	3.34	1.561e+08
## 126	1240	The Nerderly	3.32	3.720e+07
## 127	1246	Ob Hospitalist Group	3.30	5.110e+07
## 128	1247	RBA	3.30	4.150e+07
## 129	1265	Crane Worldwide Logistics	3.24	4.715e+08

## 130 1266	Audubon Engineering Company	3.24 2.481e+08
## 131 1275	SCIO Health Analytics	3.20 3.770e+07
## 132 1284	Hearthside Food Solutions	3.17 8.396e+08
## 133 1304	Chenal Brands	3.12 1.092e+08
## 134 1308	ASK Staffing	3.09 2.210e+07
## 135 1319	Telogis	3.07 6.940e+07
## 136 1338	Impact Management Services	3.02 1.200e+07
## 137 1347	FM Facility Maintenance	2.99 4.597e+08
## 138 1351	Wilco Machine & Fab	2.99 1.370e+08
## 139 1358	MINDBODY	2.98 3.250e+07
## 140 1360	LEAD IT	2.98 2.370e+07
## 141 1361	Cenergy International Services	2.98 2.482e+08
## 142 1362	Beta Soft Systems	2.97 2.520e+07
## 143 1372	SolarCity	2.94 1.287e+08
## 144 1381	Gold Star Mortgage Financial Group	2.92 5.990e+07
## 145 1397	EnvisionRxOptions	2.88 2.700e+09
## 146 1407	Tender Greens	2.85 2.800e+07
## 147 1408	Avant Healthcare Professionals	2.85 2.150e+07
## 148 1411	Elwood Staffing	2.84 3.667e+08
## 149 1419	AMP Security	2.82 2.480e+07
## 150 1431	MAU Workforce Solutions	2.81 2.153e+08
## 151 1432	IntegraCore	2.81 7.970e+07
## 152 1438	New Horizon Security Services	2.79 8.500e+06
## 153 1450	Carlisle & Gallagher Consulting Group	2.76 1.234e+08
## 154 1453	Four Winds Interactive	2.76 4.030e+07
## 155 1455	MedAvante	2.75 3.360e+07
## 156 1456	Zenetex	2.75 4.430e+07
## 157 1468	Synerzip	2.71 1.040e+07
## 158 1475	Gspann Technologies	2.71 1.490e+07
## 159 1480	Coyote Logistics	2.70 7.864e+08
## 160 1486	CyberCoders	2.69 4.570e+07
## 161 1488	Sprouts Farmers Market	2.68 1.800e+09
## 162 1491	Q2eBanking	2.68 4.120e+07
## 163 1496	eVestment	2.67 5.490e+07
## 164 1499	Sterling Infosystems	2.66 2.149e+08
## 165 1513	National Collegiate Scouting Association	2.64 4.140e+07
## 166 1533	JMA Information Technology	2.60 5.170e+07
## 167 1537	Healogics	2.60 2.715e+08
## 168 1544	Canon Recruiting Group	2.58 1.390e+07
## 169 1550	Urban Lending Solutions	2.57 1.831e+08
## 170 1551	Dealer.com	2.57 1.826e+08
## 171 1557	ClearLink	2.55 9.610e+07
## 172 1562	Smashburger	2.54 7.430e+07
## 173 1565	Droga5	2.54 6.730e+07
## 174 1567	HealthEquity	2.53 4.610e+07
## 175 1569	Twin Peaks	2.53 3.980e+07
## 176 1577	Anjaneyap	2.51 2.560e+07
## 177 1590	Advance Financial	2.50 3.600e+07
## 178 1599	Richfield Hospitality	2.48 1.230e+07
## 179 1603	Think Finance	2.47 5.016e+08
## 180 1610	SkyBridge Resources	2.46 1.350e+07
## 181 1630	AvePoint	2.41 6.200e+07
## 182 1638	CCS Global Tech	2.39 1.800e+07
## 183 1640	BlueWolf	2.38 9.040e+07

## 184 1641	Solar Universe	2.38 3.940e+07
## 185 1647	Airrosti	2.37 2.380e+07
## 186 1658	Busey Group	2.35 7.240e+07
## 187 1665	Brightree	2.34 5.800e+07
## 188 1671	Advanced Discovery	2.33 3.300e+07
## 189 1678	ZeOmega	2.32 1.700e+07
## 190 1692	Quantum Health	2.29 3.590e+07
## 191 1696	Bastian Solutions	2.29 1.412e+08
## 192 1712	OTO Development/Palmetto Hospitality Funds	2.27 1.429e+08
## 193 1719	Mindlance	2.25 8.050e+07
## 194 1730	OriGene Technologies	2.24 3.580e+07
## 195 1757	AccessData Group	2.19 9.000e+07
## 196 1758	Vision Security	2.19 3.100e+07
## 197 1765	Cobalt Mortgage	2.18 1.546e+08
## 198 1768	The Cellular Connection	2.17 6.065e+08
## 199 1773	TekPartners/MedPartners HIM	2.17 8.340e+07
## 200 1795	A Wireless	2.14 1.455e+08
## 201 1809	Five9	2.12 6.400e+07
## 202 1811	Torch Technologies	2.12 1.254e+08
## 203 1814	Empyrean Benefit Solutions	2.11 2.550e+07
## 204 1818	Homeland HealthCare	2.10 9.270e+07
## 205 1822	BigMachines	2.10 5.800e+07
## 206 1825	Rally Software Development	2.09 5.680e+07
## 207 1826	Reliable Software Resources	2.09 2.860e+07
## 208 1831	Hunt, Guillot & Associates	2.09 5.590e+07
## 209 1839	Gigamon	2.08 9.670e+07
## 210 1843	Sun Coast Resources	2.08 1.900e+09
## 211 1846	Searce	2.07 1.000e+07
## 212 1869	Universal Services of America	2.04 7.181e+08
## 213 1886	Federal Staffing Resources	2.02 3.070e+07
## 214 1888	Invenio Solutions	2.01 3.670e+07
## 215 1895	nfrastructure	2.00 5.320e+07
## 216 1897	Unbounded Solutions	2.00 1.820e+07
## 217 1900	Nationwide Title Clearing	2.00 3.210e+07
## 218 1908	Diplomat Specialty Pharmacy	1.99 1.100e+09
## 219 1911	Grand Incentives	1.98 1.520e+07
## 220 1913	Paramount Equity	1.98 4.460e+07
## 221 1921	OEM Fabricators	1.97 7.680e+07
## 222 1925	Metasys Technologies	1.96 2.730e+07
## 223 1938	STS Aviation Group	1.95 1.509e+08
## 224 1942	Seattle Sun Tan	1.95 1.660e+07
## 225 1944	Chetu	1.94 1.390e+07
## 226 1964	Cooper's Hawk Winery & Restaurants	1.92 7.130e+07
## 227 1965	NextGen Information Services	1.92 7.470e+07
## 228 1972	Olson	1.91 9.070e+07
## 229 1980	Neolane	1.90 5.770e+07
## 230 1992	ZT Wealth and Altus Group of Companies	1.88 1.147e+08
## 231 1993	C.H. Reynolds Electric	1.88 5.370e+07
## 232 1996	Ambit Energy	1.88 9.303e+08
## 233 2000	iPipeline	1.87 4.860e+07
## 234 2018	EN Engineering	1.85 7.440e+07
## 235 2034	Digital Intelligence Systems	1.84 3.280e+08
## 236 2042	Gazelle Transportation	1.83 4.540e+07
## 237 2044	Vertex Resource Group	1.83 2.320e+07

##	238	2052	MD On-Line	1.82	2.750e+07
##	239	2074	CorePower Yoga	1.80	4.520e+07
##	240	2091	Maximum One Realty Greater Atlanta	1.78	8.700e+06
##	241	2095	Monogram Food Solutions	1.78	2.262e+08
##	242	2100	Mobile Doctors	1.77	1.870e+07
##	243	2101	SDLC Partners	1.77	3.690e+07
##	244	2102	W3R Consulting	1.77	2.660e+07
##	245	2111	Retail Solutions	1.77	3.730e+07
##	246	2115	Royal Adhesives & Sealants	1.76	2.332e+08
##	247	2119	Total Hockey	1.76	3.610e+07
##	248	2120	Bikinis Sports Bar & Grill	1.76	1.970e+07
##	249	2123	V2Soft	1.75	1.690e+07
##	250	2124	Safety Services	1.75	2.550e+07
##	251	2132	DTT Surveillance	1.74	2.020e+07
##	252	2137	Varite	1.74	1.140e+07
##	253	2145	AdvancePierre Foods	1.73	1.500e+09
##	254	2148	Big Night Entertainment Group	1.73	2.820e+07
##	255	2154	Beard Integrated Systems	1.72	8.870e+07
##	256	2156	AB Staffing Solutions	1.72	2.780e+07
##	257	2178	New West Capital	1.70	2.070e+07
##	258	2180	Security Industry Specialist	1.69	9.530e+07
##	259	2186	AdvantEdge Healthcare Solutions	1.69	4.360e+07
##	260	2190	USA Mortgage	1.69	8.290e+07
##	261	2203	Which Wich Superior Sandwiches	1.68	1.057e+08
##	262	2204	Westlake Financial Services	1.68	5.167e+08
##	263	2218	Globo Mobile	1.67	4.500e+06
##	264	2219	Align Networks	1.67	3.963e+08
##	265	2223	Xten Industries	1.66	3.380e+07
##	266	2227	Paylocity	1.66	6.490e+07
##	267	2229	Tandem HR	1.66	3.942e+08
##	268	2230	TalentBurst	1.66	4.020e+07
##	269	2231	Tricolor Auto	1.66	9.900e+07
##	270	2236	Total Quality Logistics	1.65	1.400e+09
##	271	2249	Homecare Homebase	1.64	5.450e+07
##	272	2258	Astir IT Solutions	1.62	2.450e+07
##	273	2261	Cvent	1.62	8.350e+07
##	274	2265	Jones & Frank	1.62	2.042e+08
##	275	2270	Drilling Info	1.61	5.070e+07
##	276	2274	Liberty Power	1.61	7.108e+08
##	277	2296	Infusionsoft	1.59	3.900e+07
##	278	2307	eClinicalWorks	1.58	2.600e+08
##	279	2308	Consumer Cellular	1.58	2.631e+08
##	280	2314	Infiniti HR	1.57	1.464e+08
##	281	2317	Mercury Payment Systems	1.57	2.033e+08
##	282	2320	Protingent	1.57	2.320e+07
##	283	2323	Big Ass Fans	1.57	8.690e+07
##	284	2324	Accuvant	1.57	4.302e+08
##	285	2326	AmeriFirst Home Mortgage	1.56	4.330e+07
##	286	2331	Flagger Force	1.56	3.330e+07
##	287	2335	Mazzella Lifting Technologies	1.56	1.223e+08
##	288	2340	CTI	1.55	9.100e+06
##	289	2341	Beacon Partners	1.55	6.300e+07
##	290	2345	Integrity staffing Solutions	1.55	2.782e+08
##	291	2347	Paycom	1.55	7.680e+07

##	292	2351	Ignify	1.54	1.750e+07
##	293	2362	Phacil	1.53	7.560e+07
##	294	2377	Pyramid Consulting	1.52	1.536e+08
##	295	2388	VanderHouwen & Associates	1.51	3.610e+07
##	296	2396	Freddy's Frozen Custard	1.51	9.890e+07
##	297	2408	First NBC Bank Holding Company	1.50	1.196e+08
##	298	2436	Shinetech Software	1.48	1.200e+07
##	299	2438	Kyriba	1.48	2.940e+07
##	300	2441	Banyan Investment Group	1.48	1.770e+07
##	301	2445	Powerlink	1.47	2.360e+07
##	302	2449	Netech	1.46	1.869e+08
##	303	2451	Hargrove Engineers + Constructors	1.46	7.600e+07
##	304	2453	Husco International	1.46	3.000e+08
##	305	2457	Taphandles	1.46	2.120e+07
##	306	2462	Centro	1.45	1.855e+08
##	307	2476	Salesify	1.45	5.900e+06
##	308	2482	Intelligent Software Solutions	1.44	1.923e+08
##	309	2485	Triad Retail Media	1.43	1.713e+08
##	310	2496	Carahsoft Technology	1.42	1.400e+09
##	311	2501	Speridian Technologies	1.42	1.810e+07
##	312	2502	GeBBS Healthcare Solutions	1.42	1.870e+07
##	313	2510	Xtreme Consulting Group	1.41	6.640e+07
##	314	2511	SCSI	1.41	4.610e+07
##	315	2512	Foundation Financial Group	1.41	3.330e+07
##	316	2522	DLA Piper	1.41	2.400e+09
##	317	2530	Orasi	1.40	7.460e+07
##	318	2537	Wayfair.com	1.40	6.020e+08
##	319	2556	Precision Pipeline Solutions	1.39	3.120e+07
##	320	2557	ITAC Solutions	1.39	1.830e+07
##	321	2565	Excelsior Defense	1.38	7.400e+06
##	322	2571	StaffSource	1.38	4.200e+06
##	323	2575	WideOrbit	1.37	6.410e+07
##	324	2578	Great Lakes Home Health & Hospice	1.37	1.116e+08
##	325	2588	Digital Insurance	1.36	4.740e+07
##	326	2595	Teoco	1.36	1.104e+08
##	327	2599	Software Paradigms International Group	1.35	4.130e+07
##	328	2600	AmWins Group	1.35	5.350e+08
##	329	2602	CHR Solutions	1.35	6.110e+07
##	330	2603	Parker's	1.35	2.566e+08
##	331	2606	Edifecs	1.35	5.190e+07
##	332	2619	Best Drivers	1.34	2.850e+07
##	333	2620	D&K Engineering	1.34	7.270e+07
##	334	2623	LifeMatters	1.34	1.250e+07
##	335	2630	MRC	1.34	3.210e+07
##	336	2631	Valence Health	1.33	3.080e+07
##	337	2635	Kimray	1.33	1.730e+08
##	338	2646	United Capital Financial Advisers	1.33	6.640e+07
##	339	2647	Vino Volo	1.33	2.120e+07
##	340	2653	C.J. Foods	1.32	1.352e+08
##	341	2662	Top Flite Financial	1.32	2.700e+07
##	342	2669	TruStaff	1.31	9.900e+07
##	343	2685	Orion Systems Integrators	1.30	5.310e+07
##	344	2687	Access Information Management	1.30	5.940e+07
##	345	2689	Progrexion	1.30	1.187e+08

## 346 2690	The Intersect Group	1.30 4.970e+07
## 347 2701	Power Home Remodeling Group	1.30 1.722e+08
## 348 2704	Sure Prep Learning	1.30 4.000e+06
## 349 2731	Nexius	1.28 7.320e+07
## 350 2736	TTi Global	1.27 1.024e+08
## 351 2769	Capax Global	1.25 3.540e+07
## 352 2779	Access Destination Services	1.25 4.490e+07
## 353 2791	Freedom Mortgage	1.24 3.575e+08
## 354 2798	First Choice Emergency Rooms	1.24 9.250e+07
## 355 2800	LogiGear	1.24 1.250e+07
## 356 2803	iLink Systems	1.24 2.170e+07
## 357 2806	Goodman Networks	1.23 6.509e+08
## 358 2808	ISNetworld	1.23 8.240e+07
## 359 2809	Primatics Financial	1.23 5.100e+07
## 360 2820	Office Beacon	1.22 5.300e+06
## 361 2826	Spring Mobile	1.22 9.150e+07
## 362 2830	ReSource Pro	1.22 2.430e+07
## 363 2848	Lasco Enterprises	1.21 2.470e+07
## 364 2858	Monoprice	1.20 1.213e+08
## 365 2862	HealthHelp	1.20 3.820e+07
## 366 2866	Latshaw Drilling & Exploration	1.19 1.252e+08
## 367 2870	Windy City Limousine and Bus	1.19 1.750e+07
## 368 2871	PrideStaff	1.19 1.143e+08
## 369 2876	BG Staffing	1.19 7.680e+07
## 370 2878	Planet Fitness	1.19 1.573e+08
## 371 2881	HireStrategy	1.19 2.390e+07
## 372 2891	Novae	1.18 4.520e+07
## 373 2894	TopGolf	1.18 5.070e+07
## 374 2896	Telx	1.18 2.143e+08
## 375 2899	Republic Mortgage Home Loans	1.18 7.060e+07
## 376 2903	CLEAResult	1.18 1.192e+08
## 377 2905	The NACHER Corporation	1.18 2.540e+07
## 378 2909	Bullhorn	1.17 4.400e+07
## 379 2932	LiquidAgents Healthcare	1.16 2.390e+07
## 380 2941	Bodybuilding.com	1.16 3.209e+08
## 381 2942	FishNet Security	1.16 5.253e+08
## 382 2951	Resolvit	1.15 2.450e+07
## 383 2953	Codeworks	1.15 2.460e+07
## 384 2958	ImmixGroup	1.15 8.836e+08
## 385 2960	Arrow Strategies	1.15 3.800e+07
## 386 2961	Genesis-ATC	1.15 8.462e+08
## 387 2964	DataArt	1.14 3.070e+07
## 388 2971	ConServe	1.14 5.270e+07
## 389 2976	Stone Brewing	1.14 1.034e+08
## 390 2978	Steven Roberts Original Desserts	1.13 9.810e+07
## 391 2979	IQ Pipeline	1.13 1.200e+07
## 392 2983	Pacific Logistics	1.13 6.620e+07
## 393 2994	A-T Solutions	1.13 2.015e+08
## 394 2995	Pride Technologies	1.13 2.310e+08
## 395 2997	Fibertech Networks	1.13 1.423e+08
## 396 3002	AEgis Technologies Group	1.12 6.500e+07
## 397 3009	5Linx Enterprises	1.12 1.036e+08
## 398 3021	Linium	1.11 4.590e+07
## 399 3033	LifeLock	1.10 2.764e+08

## 400 3034	Burr & Forman	1.10 1.997e+08
## 401 3035	Infinisource	1.10 5.470e+07
## 402 3036	Carousel Industries	1.10 3.476e+08
## 403 3039	Dialogue Marketing	1.10 4.150e+07
## 404 3041	SensoryEffects	1.10 1.515e+08
## 405 3043	Home Care Assistance	1.10 6.270e+07
## 406 3050	Sheakley	1.09 2.150e+08
## 407 3058	Conservice	1.09 4.130e+07
## 408 3065	Achieve3000	1.09 4.790e+07
## 409 3068	Account Control Technology	1.09 4.490e+07
## 410 3070	ICON Information Consultants	1.09 1.692e+08
## 411 3074	Wimmer Solutions	1.08 4.220e+07
## 412 3078	Health Advocate	1.08 7.290e+07
## 413 3082	Coherent Solutions	1.08 1.310e+07
## 414 3088	QPS Employment Group	1.08 1.333e+08
## 415 3100	Discovery Benefits	1.07 2.390e+07
## 416 3110	ICONMA	1.06 1.097e+08
## 417 3116	STS International	1.06 4.010e+07
## 418 3119	O2 Fitness	1.06 1.330e+07
## 419 3122	Cigital	1.06 3.590e+07
## 420 3131	Pariveda Solutions	1.05 5.130e+07
## 421 3136	FSO Onsite Outsourcing	1.05 5.530e+07
## 422 3140	Cafe Rio	1.05 1.177e+08
## 423 3141	TM One	1.05 1.330e+07
## 424 3150	Costa Vida Fresh Mexican Grill	1.04 4.350e+07
## 425 3152	Prime Technology Group	1.04 1.080e+07
## 426 3155	Management Services Northwest	1.04 1.000e+07
## 427 3159	ECS Refining	1.04 8.330e+07
## 428 3161	CapTech	1.04 6.910e+07
## 429 3163	Quinn Emanuel	1.03 8.525e+08
## 430 3177	V-Soft Consulting Group	1.03 3.640e+07
## 431 3178	Evolution1	1.03 6.590e+07
## 432 3192	Lewis PR	1.02 1.220e+07
## 433 3200	The Roberts Company	1.01 1.500e+08
## 434 3205	Neudesic	1.01 8.240e+07
## 435 3211	Omax	1.01 8.170e+07
## 436 3238	Milk + Honey	1.00 6.800e+06
## 437 3239	ConnectWise	1.00 4.700e+07
## 438 3243	Russell Cellular	1.00 8.690e+07
## 439 3250	MobilityWorks	0.99 1.310e+08
## 440 3257	Carenet Healthcare Services	0.99 2.910e+07
## 441 3261	Sign-Zone	0.98 4.400e+07
## 442 3264	Medical Solutions	0.98 5.990e+07
## 443 3271	Trades Unlimited	0.98 1.010e+07
## 444 3285	MG Properties Group	0.97 7.900e+06
## 445 3291	Triple Point Technology	0.97 1.734e+08
## 446 3292	Addison Group	0.97 1.393e+08
## 447 3306	Best Doctors	0.96 1.521e+08
## 448 3311	Bear Staffing Services	0.96 5.900e+06
## 449 3325	Crockett Facilities Services	0.95 2.730e+07
## 450 3333	Zeigler Auto Group	0.95 5.169e+08
## 451 3334	Super Steel	0.95 5.930e+07
## 452 3343	NorthStar Financial Services Group	0.94 1.379e+08
## 453 3359	Fine Designs	0.93 1.710e+07

## 454 3363	OpticsPlanet	0.93 1.259e+08
## 455 3364	AIReS	0.93 2.374e+08
## 456 3368	Saveology.com	0.93 2.268e+08
## 457 3375	Altamira	0.92 6.650e+07
## 458 3377	TicketNetwork.com	0.92 2.137e+08
## 459 3380	Great Expressions Dental Centers	0.92 2.380e+08
## 460 3385	Parkway Products	0.92 1.363e+08
## 461 3387	Mitchell/Martin	0.92 1.453e+08
## 462 3392	Kaztronix	0.92 2.940e+07
## 463 3395	Eliassen Group	0.92 1.716e+08
## 464 3396	CyraCom International	0.92 4.870e+07
## 465 3405	CheapCaribbean.com	0.91 3.899e+08
## 466 3412	Liquid Web	0.91 4.960e+07
## 467 3414	Restoration Hardware	0.91 1.200e+09
## 468 3420	Primary Residential Mortgage	0.90 2.242e+08
## 469 3423	Plasticard - Locktech International	0.90 3.530e+07
## 470 3425	Blackhawk Network Holdings	0.90 9.591e+08
## 471 3426	Destination Concepts	0.90 1.170e+07
## 472 3428	Nexus	0.90 3.340e+08
## 473 3429	Embrace Home Loans	0.90 1.764e+08
## 474 3433	Pacific Union International	0.90 9.240e+07
## 475 3437	Intetics	0.90 1.260e+07
## 476 3440	Interstate Companies	0.90 4.937e+08
## 477 3451	TempStaff	0.89 2.410e+07
## 478 3452	VXI Global Solutions	0.89 1.839e+08
## 479 3454	Evolver	0.89 5.050e+07
## 480 3456	The Seaton Companies	0.89 4.815e+08
## 481 3463	Hogan Lovells	0.89 1.600e+09
## 482 3464	England Logistics	0.89 3.148e+08
## 483 3468	Peninsula Cleaning Service	0.89 2.900e+06
## 484 3470	Clear Harbor	0.89 1.870e+07
## 485 3474	Zeon Solutions	0.88 1.190e+07
## 486 3482	BenchMark Rehab Partners	0.88 5.890e+07
## 487 3487	AWC	0.88 2.837e+08
## 488 3490	Benchmark Hospitality International	0.88 5.066e+08
## 489 3491	National Positions	0.88 1.300e+07
## 490 3499	DiscountMugs.com	0.88 7.730e+07
## 491 3500	Magnolia Bakery	0.88 2.360e+07
## 492 3501	Coverity	0.87 6.050e+07
## 493 3503	Connolly	0.87 2.435e+08
## 494 3512	Document Technologies	0.87 1.873e+08
## 495 3519	InfoSync Services	0.87 2.540e+07
## 496 3521	Culpepper & Associates Security Services	0.87 1.420e+07
## 497 3541	BeavEx	0.86 2.801e+08
## 498 3554	Blackstone Security Services	0.86 6.800e+06
## 499 3559	Advanced Technology Services	0.85 2.797e+08
## 500 3565	Brightwing	0.85 3.710e+07
## 501 3573	Program Productions	0.85 2.070e+07
## 502 3574	Compunnel Software Group	0.85 5.300e+07
## 503 3576	CSDVRS	0.85 4.790e+07
## 504 3584	Infusion	0.84 6.790e+07
## 505 3596	Sperry Van Ness International	0.84 6.200e+07
## 506 3597	Advanced Medical	0.84 2.650e+07
## 507 3600	Oasis Outsourcing	0.84 2.079e+08

## 508 3605	Ryan	0.84 3.562e+08
## 509 3608	Snap Fitness	0.84 4.860e+07
## 510 3613	Pacific Bells	0.83 1.992e+08
## 511 3627	Wunderlich-Malec	0.83 6.250e+07
## 512 3641	ABBA Staffing and Consulting	0.82 1.260e+07
## 513 3650	Genco	0.82 1.500e+09
## 514 3652	Little Sprouts	0.82 1.790e+07
## 515 3653	Centric Consulting	0.81 7.840e+07
## 516 3654	Fifth Gear	0.81 5.140e+07
## 517 3661	Environmental Products & Services of Vermont	0.81 4.510e+07
## 518 3662	Capacity	0.81 2.080e+07
## 519 3669	Practice Velocity	0.81 2.030e+07
## 520 3670	Evans Enterprises	0.81 7.060e+07
## 521 3672	Camellia Healthcare	0.81 6.510e+07
## 522 3676	WeLocalize	0.81 9.080e+07
## 523 3682	WCS Lending	0.80 4.970e+07
## 524 3684	Hiller Plumbing, Heating & Cooling	0.80 4.470e+07
## 525 3687	EventPro Strategies	0.80 1.170e+07
## 526 3689	Object Technology Solutions	0.80 3.190e+07
## 527 3691	Energy Alloys	0.80 4.573e+08
## 528 3692	Service Repair Solutions	0.80 1.009e+08
## 529 3702	Asset Plus Companies	0.79 1.330e+07
## 530 3703	Logic Solutions	0.79 8.500e+06
## 531 3704	Infinity Consulting Solutions	0.79 3.570e+07
## 532 3709	Lincoln Industries	0.79 1.180e+08
## 533 3717	Heartland Dental Care	0.79 5.540e+08
## 534 3723	Hargrove	0.78 1.008e+08
## 535 3726	BalancePoint	0.78 1.550e+07
## 536 3734	KSS	0.78 1.000e+09
## 537 3746	Intermedia (Mountain View, CA)	0.78 8.350e+07
## 538 3748	Accurate Home Care	0.78 4.200e+07
## 539 3751	Hyland Software	0.77 2.367e+08
## 540 3759	Archway	0.77 2.503e+08
## 541 3772	Chaparral Energy	0.77 5.562e+08
## 542 3773	Actiontec Electronics	0.77 2.416e+08
## 543 3777	Switch	0.77 4.850e+07
## 544 3778	Flexera Software	0.77 2.000e+08
## 545 3783	Centerre Healthcare	0.76 6.960e+07
## 546 3798	AIS	0.76 6.050e+07
## 547 3799	Vaco	0.76 1.766e+08
## 548 3807	Fifth Group Restaurants	0.75 2.990e+07
## 549 3815	Hissho Sushi	0.75 4.740e+07
## 550 3816	OnBrand24	0.75 5.900e+06
## 551 3817	Asset Protection & Security Services	0.75 1.034e+08
## 552 3818	Vubiquity	0.75 2.563e+08
## 553 3823	Thompson Creek Window Company	0.75 5.310e+07
## 554 3824	Xpanxion	0.75 1.620e+07
## 555 3832	Powell Christensen	0.74 5.321e+08
## 556 3836	Cadence	0.74 5.500e+07
## 557 3844	Atlas Oil Company	0.74 1.900e+09
## 558 3850	Urban Science	0.73 1.466e+08
## 559 3853	ABC Supply	0.73 4.700e+09
## 560 3858	VUE Software	0.73 1.120e+07
## 561 3861	ePrize	0.73 6.520e+07

## 562 3867	Liberty Healthcare Services	0.73 4.400e+06
## 563 3871	eTransMedia Technology	0.72 2.590e+07
## 564 3873	Integrity Applications	0.72 1.492e+08
## 565 3876	OtterBase	0.72 3.170e+07
## 566 3877	Mudd	0.72 5.210e+07
## 567 3880	Fulcrum IT Services	0.72 3.330e+07
## 568 3892	Acro Service	0.72 1.408e+08
## 569 3898	Pacific Dental Services	0.71 5.266e+08
## 570 3899	Denihan Hospitality Group	0.71 2.808e+08
## 571 3911	Advanced Correctional Healthcare	0.71 3.760e+07
## 572 3915	Artisan Partners Asset Management	0.71 5.056e+08
## 573 3918	Prestige Staffing	0.71 1.750e+07
## 574 3921	Granite Telecommunications	0.70 7.362e+08
## 575 3926	ISGN	0.70 7.820e+07
## 576 3933	iCIMS	0.70 3.740e+07
## 577 3948	Varel International	0.70 3.401e+08
## 578 3953	Kidder Mathews	0.69 8.180e+07
## 579 3955	Allen Edmonds	0.69 1.220e+08
## 580 3962	Topson Downs of California	0.69 3.986e+08
## 581 3969	AB Data	0.69 7.650e+07
## 582 3972	MedRisk	0.69 1.844e+08
## 583 3973	Apple Bus Company	0.68 2.160e+07
## 584 3975	Supreme Lending	0.68 1.178e+08
## 585 3982	Functional Pathways	0.68 7.250e+07
## 586 4001	Ameri-Kleen	0.67 1.840e+07
## 587 4003	Ovation Travel Group	0.67 5.860e+07
## 588 4009	Schumacher Group	0.67 6.130e+08
## 589 4010	Evolve Media	0.67 9.900e+07
## 590 4017	Bremen Castings	0.67 5.150e+07
## 591 4019	Emplicity	0.67 1.356e+08
## 592 4039	Empire Office	0.66 3.496e+08
## 593 4040	Open Access Technology International	0.66 6.260e+07
## 594 4044	HuHot Mongolian Grills	0.66 2.900e+06
## 595 4049	MorganFranklin	0.66 8.640e+07
## 596 4052	Kum & Go	0.65 2.800e+09
## 597 4056	Empire Construction & Painting	0.65 2.300e+07
## 598 4060	Sterling Staffing	0.65 4.070e+07
## 599 4064	Hiregy	0.65 6.100e+06
## 600 4067	Modern Technology Solutions	0.65 1.050e+08
## 601 4071	Arona (Des Moines, IA)	0.65 5.760e+07
## 602 4076	Pro Mach	0.65 3.474e+08
## 603 4086	Bader Rutter	0.65 3.700e+07
## 604 4089	Polsinelli	0.64 2.755e+08
## 605 4094	MicroTech	0.64 3.045e+08
## 606 4101	Deluvia	0.64 3.800e+06
## 607 4108	First Hospitality Group	0.64 2.435e+08
## 608 4115	Wunderlich Securities	0.64 9.930e+07
## 609 4118	CTL Engineering	0.64 3.230e+07
## 610 4120	WageWorks	0.63 1.773e+08
## 611 4126	TriNet HR	0.63 2.690e+08
## 612 4132	Cafe Yumm!	0.63 1.390e+07
## 613 4134	Collabera	0.63 4.561e+08
## 614 4140	Cornerstone Staffing Solutions	0.63 9.600e+07
## 615 4150	GlowTouch Technologies	0.63 1.040e+07

## 616 4152	Meltwater Group	0.63 1.245e+08
## 617 4153	Everyday Health	0.62 1.464e+08
## 618 4167	Mortgage Master	0.62 1.597e+08
## 619 4178	Control4	0.62 1.095e+08
## 620 4207	Paycor	0.61 9.130e+07
## 621 4210	MTBC	0.61 1.040e+07
## 622 4212	Freightquote	0.61 5.738e+08
## 623 4224	Fragomen	0.60 3.465e+08
## 624 4225	Boloco	0.60 2.250e+07
## 625 4231	Petersen	0.60 1.050e+08
## 626 4246	American Tire Distributors	0.59 3.500e+09
## 627 4257	GolfTec Enterprises	0.59 2.100e+07
## 628 4266	PlattForm Advertising	0.58 1.457e+08
## 629 4279	Iatric Systems	0.58 4.080e+07
## 630 4282	WorkForce Software	0.58 3.030e+07
## 631 4284	Defender Direct	0.57 3.949e+08
## 632 4286	RuffaloCODY	0.57 8.130e+07
## 633 4296	LEGACY Supply Chain Services	0.57 2.115e+08
## 634 4305	Towne Park	0.57 1.789e+08
## 635 4313	SmartPak Equine	0.57 9.250e+07
## 636 4320	Payment Alliance International	0.56 2.887e+08
## 637 4329	Noodles & Company	0.56 3.004e+08
## 638 4342	Ogletree Deakins	0.56 3.150e+08
## 639 4359	PHT	0.55 5.990e+07
## 640 4362	Batteries Plus Bulbs	0.55 1.809e+08
## 641 4363	TransPerfect	0.55 3.413e+08
## 642 4364	Acclaris	0.55 2.390e+07
## 643 4365	Baker & Hostetler	0.55 5.105e+08
## 644 4388	Cottonwood Financial	0.54 1.954e+08
## 645 4405	NorthStar Anesthesia	0.54 1.298e+08
## 646 4415	Diversified Information Technologies	0.53 5.850e+07
## 647 4420	Carolina Tree Care	0.53 1.850e+07
## 648 4423	GTM Sportswear	0.53 7.690e+07
## 649 4427	Sunshine Minting	0.53 7.061e+08
## 650 4438	Stake Center Locating	0.53 2.100e+07
## 651 4443	Workplace Options	0.53 3.840e+07
## 652 4449	Rising Medical Solutions	0.52 3.070e+07
## 653 4459	Belcan	0.52 6.887e+08
## 654 4464	FST Logistics	0.52 5.310e+07
## 655 4465	OpenLink	0.52 3.043e+08
## 656 4468	Palm Beach Tan	0.52 1.018e+08
## 657 4479	Planes Companies	0.51 1.037e+08
## 658 4483	Schmidt Real Estate	0.51 4.160e+07
## 659 4485	Triage Staffing	0.51 2.430e+07
## 660 4498	Legacy Housing	0.50 6.990e+07
## 661 4500	Pedersen Worldwide	0.50 4.130e+07
## 662 4501	BrandMuscle	0.50 6.800e+07
## 663 4508	Bojangles' Famous Chicken 'n Biscuits	0.50 3.488e+08
## 664 4514	TechSmith	0.50 5.140e+07
## 665 4517	The Outsource Group	0.50 1.121e+08
## 666 4518	Emergent Medical Associates	0.50 8.520e+07
## 667 4521	James River Transportation	0.50 1.260e+07
## 668 4524	BioHorizons	0.49 1.032e+08
## 669 4532	GoDaddy.com	0.49 9.109e+08

## 670 4535	Capital Access Network	0.49 1.516e+08
## 671 4538	Rabine Group	0.49 1.880e+08
## 672 4541	Acadian Companies	0.49 3.515e+08
## 673 4542	Orion Associates	0.49 5.590e+07
## 674 4545	Spillman Technologies	0.49 4.080e+07
## 675 4552	Paradysz	0.49 4.100e+07
## 676 4556	Isagenix International	0.49 3.344e+08
## 677 4564	Norris Automotive Group	0.48 2.194e+08
## 678 4567	Level One Personnel	0.48 4.400e+06
## 679 4571	Healthcare Solutions	0.48 3.447e+08
## 680 4577	Sutherland Global Services	0.48 5.976e+08
## 681 4578	Professional Placement Resources	0.48 3.690e+07
## 682 4581	Market Force Information	0.48 6.640e+07
## 683 4585	Revolution Prep	0.48 1.720e+07
## 684 4586	Saddle Creek Logistics Services	0.48 2.846e+08
## 685 4591	Quality Companies USA	0.48 7.650e+07
## 686 4598	Independent Bank Group	0.47 7.190e+07
## 687 4604	Systel Business Equipment	0.47 5.050e+07
## 688 4627	Sikich LLP	0.47 7.640e+07
## 689 4629	Prime Therapeutics	0.47 2.000e+09
## 690 4635	American Family Care	0.46 6.300e+07
## 691 4646	Mimeo.com	0.46 8.770e+07
## 692 4651	The MSR Group	0.46 7.500e+06
## 693 4654	LAC Group	0.46 2.340e+07
## 694 4655	CareersUSA	0.46 3.130e+07
## 695 4657	Servi-Tek	0.46 8.200e+06
## 696 4662	Mountainside Fitness	0.46 3.140e+07
## 697 4665	Power Home Technologies	0.46 1.910e+07
## 698 4668	Laser Spine Institute	0.46 1.509e+08
## 699 4689	Global Brass and Copper Holdings	0.45 1.700e+09
## 700 4701	Blair Companies	0.44 6.910e+07
## 701 4705	Associated	0.44 1.506e+08
## 702 4709	The TharpeRobbins Company	0.44 1.219e+08
## 703 4711	Jones Industrial Holdings	0.44 1.244e+08
## 704 4716	Westcon Group	0.44 3.800e+09
## 705 4727	Arrow Security	0.44 1.400e+07
## 706 4730	ProTransport-1	0.43 3.660e+07
## 707 4732	Mycroft	0.43 2.640e+07
## 708 4738	McMurry/TMG	0.43 9.140e+07
## 709 4747	TravelClick	0.43 2.571e+08
## 710 4754	Classified Ventures	0.42 4.415e+08
## 711 4756	P3I	0.42 3.740e+07
## 712 4763	Chiro One Wellness Centers	0.42 5.520e+07
## 713 4765	Squire Sanders	0.42 7.745e+08
## 714 4768	Loffler Companies	0.42 6.030e+07
## 715 4770	Morris Hardwick Schneider/Landcastle Title	0.42 6.480e+07
## 716 4771	Doyon	0.42 3.383e+08
## 717 4773	Quantech Services	0.42 8.500e+07
## 718 4785	Fidelity Technologies	0.42 1.107e+08
## 719 4788	CDW	0.41 1.010e+10
## 720 4792	Mar-Bal	0.41 5.670e+07
## 721 4793	LORD Corporation	0.41 8.615e+08
## 722 4794	Cirrus Medical Staffing	0.41 2.710e+07
## 723 4802	Boise Cascade	0.41 2.800e+09

## 724 4804	New Belgium Brewing	0.41	1.796e+08
## 725 4811	Flying Food Group	0.41	4.097e+08
## 726 4815	Perkins Coie	0.40	6.080e+08
## 727 4816	Nelson Mullins	0.40	2.710e+08
## 728 4818	Driftwood Hospitality Management	0.40	2.314e+08
## 729 4820	Aluf Plastics	0.40	1.029e+08
## 730 4834	American Technologies, Inc.	0.40	1.089e+08
## 731 4835	Global Resource Management	0.40	5.580e+07
## 732 4842	American Specialty Health	0.40	2.175e+08
## 733 4845	Ansira	0.40	8.620e+07
## 734 4850	Whelan Security	0.40	1.449e+08
## 735 4854	Arnold & Porter	0.40	7.310e+08
## 736 4857	AVI-SPL	0.39	5.807e+08
## 737 4859	GXS	0.39	4.875e+08
## 738 4862	Ice Miller	0.39	1.690e+08
## 739 4863	SnugZ USA	0.39	3.040e+07
## 740 4865	ECi Software Solutions	0.39	1.014e+08
## 741 4870	Better World Books	0.39	5.630e+07
## 742 4871	Pinnacle Technical Resources	0.39	2.388e+08
## 743 4878	Preferred Freezer Services	0.39	2.363e+08
## 744 4895	Lewis Brisbois Bisgaard & Smith	0.38	3.445e+08
## 745 4897	Texas Subs	0.38	3.810e+07
## 746 4898	Turtle & Hughes	0.38	5.180e+08
## 747 4899	Pathfinders	0.38	5.200e+06
## 748 4910	Europa Sports Products	0.37	2.562e+08
## 749 4913	Jackson Lewis	0.37	3.520e+08
## 750 4914	Reston Limousine & Travel Service	0.37	1.830e+07
## 751 4920	UIC Technical Services	0.37	1.728e+08
## 752 4932	Empirix	0.37	8.460e+07
## 753 4936	Coty	0.36	4.600e+09
## 754 4937	Q Analysts	0.36	2.390e+07
## 755 4940	Florida East Coast Railway	0.36	2.468e+08
## 756 4944	McElroy Deutsch	0.36	1.165e+08
## 757 4961	Kirkland & Ellis	0.36	1.900e+09
## 758 4963	Vision Technologies	0.36	7.740e+07
## 759 4971	Fenwick & West	0.35	2.595e+08
## 760 4972	Trident Marketing	0.35	6.130e+07
## 761 4976	DataCert	0.35	4.560e+07
## 762 4977	Buffalo Exchange	0.35	8.160e+07
## 763 4981	SmartSource Computer & Audio Visual Rentals	0.35	5.730e+07
## 764 4983	Baystate Financial Services	0.35	5.870e+07
## 765 4985	Celtic Healthcare	0.35	3.840e+07
## 766 4989	Lastar	0.35	1.307e+08
## 767 4997	Dot Foods	0.34	4.500e+09
##	Industry Employees		City State
## 1	Retail	250	Orlando FL
## 2	Consumer Products & Services	4100	Washington DC
## 3	Financial Services	1016	Carrollton TX
## 4	Software	1100	Orlando FL
## 5	IT Services	260	Irving TX
## 6	Health	675	Greensboro NC
## 7	Government Services	252	Rockville MD
## 8	Real Estate	264	Chicago IL
## 9	Energy	566	Redwood City CA

## 10	Manufacturing	300	Atlanta	GA
## 11	Advertising & Marketing	289	Redwood City	CA
## 12	Energy	460	Boston	MA
## 13	Retail	613	Cranston	RI
## 14	Business Products & Services	307	Chicago	IL
## 15	Software	263	Burlington	MA
## 16	Advertising & Marketing	321	Baltimore	MD
## 17	IT Services	532	Atlanta	GA
## 18	Energy	481	Oakland	CA
## 19	Health	251	Greenwood Village	CO
## 20	Retail	2000	Los Angeles	CA
## 21	Business Products & Services	450	Boston	MA
## 22	Government Services	474	Clearwater	FL
## 23	Business Products & Services	424	Santa Monica	CA
## 24	Advertising & Marketing	264	Pasadena	CA
## 25	Human Resources	713	Citrus Heights	CA
## 26	Government Services	467	Clarksville	VA
## 27	Financial Services	1165	Charlotte	NC
## 28	Retail	297	Greenville	SC
## 29	Consumer Products & Services	254	San Francisco	CA
## 30	Financial Services	465	Frisco	TX
## 31	Government Services	1352	Leesburg	VA
## 32	Software	339	San Mateo	CA
## 33	Real Estate	360	Bellevue	WA
## 34	Real Estate	783	Atlanta	GA
## 35	Travel & Hospitality	332	Charlotte	NC
## 36	Consumer Products & Services	600	Fort Collins	CO
## 37	Financial Services	444	Indianapolis	IN
## 38	Energy	501	Radnor	PA
## 39	Health	660	Westlake	OH
## 40	IT Services	348	Alpharetta	GA
## 41	Health	454	Canfield	OH
## 42	Advertising & Marketing	263	Boston	MA
## 43	Media	1131	Stamford	CT
## 44	Software	1550	Pleasanton	CA
## 45	Health	454	Morrisville	NC
## 46	Retail	239	Sandy	UT
## 47	IT Services	1212	Bethesda	MD
## 48	Retail	527	Atlanta	GA
## 49	Business Products & Services	1504	Fishers	IN
## 50	Food & Beverage	657	American Fork	UT
## 51	Retail	258	Sandy	UT
## 52	Construction	335	Amelia	LA
## 53	Business Products & Services	346	Mary Esther	FL
## 54	Health	1600	Aventura	FL
## 55	Government Services	633	Austin	TX
## 56	Environmental Services	275	Piketon	OH
## 57	Health	650	wilmington	DE
## 58	Software	424	San Francisco	CA
## 59	Software	429	Cambridge	MA
## 60	Human Resources	718	Madison Heights	MI
## 61	Software	350	Overland Park	KS
## 62	Travel & Hospitality	347	Louisville	KY
## 63	Financial Services	256	Phoenixville	PA

## 64	Health	300	Stamford	CT
## 65	IT Services	375	Mundelein	IL
## 66	Retail	5821	Houston	TX
## 67	Software	834	Seattle	WA
## 68	Business Products & Services	276	Houston	TX
## 69	Energy	842	Torrance	CA
## 70	Logistics & Transportation	345	Chattanooga	TN
## 71	Energy	245	Wall	NJ
## 72	Food & Beverage	942	Oakland	CA
## 73	Real Estate	462	San Francisco	CA
## 74	IT Services	260	iselin	NJ
## 75	Health	344	La Palma	CA
## 76	Telecommunications	570	Itasca	IL
## 77	Financial Services	425	memphis	TN
## 78	Business Products & Services	365	Hebron	KY
## 79	Financial Services	236	Chicago	IL
## 80	Financial Services	334	Brecksville	OH
## 81	Business Products & Services	684	Wichita Falls	TX
## 82	Financial Services	1032	Plymouth Meeting	PA
## 83	IT Services	700	Milpitas	CA
## 84	Financial Services	592	Tustin	CA
## 85	Engineering	974	Houston	TX
## 86	Financial Services	502	San Francisco,	CA
## 87	Human Resources	260	Cincinnati	OH
## 88	Human Resources	2400	Charlotte	NC
## 89	Financial Services	345	Tulsa	OK
## 90	Environmental Services	5347	Ponte Vedra	FL
## 91	Financial Services	1300	Centennial	CO
## 92	IT Services	365	Minnetonka	MN
## 93	Education	378	Solana Beach	CA
## 94	Government Services	829	Columbus	OH
## 95	Government Services	269	Fairborn	OH
## 96	Health	961	Scottsdale	AZ
## 97	Business Products & Services	256	Asheville	NC
## 98	IT Services	382	Syracuse	NY
## 99	Real Estate	560	Nashville	TN
## 100	Health	1599	San Antonio	TX
## 101	Business Products & Services	457	Tulsa	OK
## 102	Manufacturing	500	Burnham	IL
## 103	Telecommunications	669	Sunnyvale	CA
## 104	Health	375	Denver	CO
## 105	Health	343	Phoenix	AZ
## 106	Financial Services	1382	Santa Ana	CA
## 107	Health	470	Clayton	NC
## 108	Telecommunications	266	IRVINE	CA
## 109	Education	330	Pompano Beach	FL
## 110	Engineering	478	Austin	TX
## 111	IT Services	471	Santa Clara	CA
## 112	Energy	2376	The Woodlands	TX
## 113	Consumer Products & Services	500	Tampa	FL
## 114	Business Products & Services	615	Fairfax	VA
## 115	Energy	239	Tulsa	OK
## 116	Energy	299	Houston	TX
## 117	Logistics & Transportation	576	New Albany	IN

## 118	IT Services	295	New York	NY
## 119	Advertising & Marketing	270	Sherman Oaks	CA
## 120	Food & Beverage	418	Sausalito	CA
## 121	Real Estate	2391	Chicago	IL
## 122	Human Resources	350	Bloomington	IN
## 123	Business Products & Services	424	San Mateo	CA
## 124	Retail	283	Boston	MA
## 125	Human Resources	269	Boston	MA
## 126	Software	440	Minneapolis	MN
## 127	Health	262	Mauldin	SC
## 128	IT Services	300	Wayzata	MN
## 129	Logistics & Transportation	1200	Houston	TX
## 130	Engineering	950	Houston	TX
## 131	Health	477	West Hartford	CT
## 132	Food & Beverage	5000	Downers Grove	IL
## 133	Media	356	Los Angeles	CA
## 134	Human Resources	1001	Duluth	GA
## 135	Software	370	Aliso Viejo	CA
## 136	Human Resources	425	Southfield	MI
## 137	Business Products & Services	327	Hartford	CT
## 138	Manufacturing	270	Marlow	OK
## 139	Software	497	San Louis Obispo	CA
## 140	IT Services	246	SPRINGFIELD	IL
## 141	Energy	317	Houston	TX
## 142	IT Services	250	Fremont	CA
## 143	Energy	2300	San Mateo	CA
## 144	Financial Services	456	Ann Arbor	MI
## 145	Health	625	Twinsburg	OH
## 146	Food & Beverage	450	Culver City	CA
## 147	Health	243	Casselberry	FL
## 148	Human Resources	412	Columbus	IN
## 149	Security	550	American Fork	UT
## 150	Human Resources	5400	Augusta	GA
## 151	Logistics & Transportation	599	West Jordan	UT
## 152	Security	425	Manassas	VA
## 153	Business Products & Services	859	Charlotte	NC
## 154	Software	250	Denver	CO
## 155	Health	240	Hamilton	NJ
## 156	Government Services	375	Herndon	VA
## 157	Software	253	Dallas	TX
## 158	IT Services	275	Milpitas	CA
## 159	Logistics & Transportation	1219	Chicago	IL
## 160	Human Resources	240	Irvine	CA
## 161	Consumer Products & Services	13200	Phoenix	AZ
## 162	Financial Services	291	Austin	TX
## 163	Financial Services	237	Marietta	GA
## 164	Human Resources	2081	New York	NY
## 165	Education	317	Chicago	IL
## 166	IT Services	375	Overland Park	KS
## 167	Health	2084	Jacksonville	FL
## 168	Human Resources	400	Santa Clarita	CA
## 169	Real Estate	1950	Pittsburgh	PA
## 170	Advertising & Marketing	697	Burlington	VT
## 171	Advertising & Marketing	863	Salt Lake City	UT

## 172	Food & Beverage	1705	Denver	CO
## 173	Advertising & Marketing	250	New York	NY
## 174	Health	259	Draper	UT
## 175	Food & Beverage	775	Addison	TX
## 176	IT Services	280	Milpitas	CA
## 177	Financial Services	380	Nashville	TN
## 178	Travel & Hospitality	1723	Greenwood Village	CO
## 179	Financial Services	445	Fort Worth	TX
## 180	IT Services	275	Tampa	FL
## 181	Software	1287	Jersey City	NJ
## 182	IT Services	300	Poway	CA
## 183	IT Services	500	New York	NY
## 184	Energy	250	Livermore	CA
## 185	Health	245	San Antonio	TX
## 186	Government Services	650	Oklahoma City	OK
## 187	Software	413	Lawrenceville	GA
## 188	Business Products & Services	375	Mountain View	CA
## 189	Software	280	Frisco	TX
## 190	Health	318	Columbus	OH
## 191	Engineering	351	Indianapolis	IN
## 192	Travel & Hospitality	1269	Spartanburg	SC
## 193	IT Services	1400	Hoboken	NJ
## 194	Health	325	Rockville	MD
## 195	Software	519	Lindon	UT
## 196	Security	250	Orem	UT
## 197	Financial Services	770	Kirkland	WA
## 198	Telecommunications	1428	Marion	IN
## 199	IT Services	800	Coral Springs	FL
## 200	Retail	750	Greenville	NC
## 201	Software	444	San Ramon	CA
## 202	Government Services	272	Huntsville	AL
## 203	Human Resources	253	Houston	TX
## 204	Insurance	268	Allen	TX
## 205	Software	354	Deerfield	IL
## 206	Software	360	Boulder	CO
## 207	IT Services	450	NORTHVILLE	MI
## 208	Engineering	360	Ruston	LA
## 209	Software	288	Milpitas	CA
## 210	Energy	1640	Houston	TX
## 211	IT Services	410	Texas	TX
## 212	Security	20000	Santa Ana	CA
## 213	Government Services	303	Annapolis	MD
## 214	Advertising & Marketing	450	Austin	TX
## 215	IT Services	237	Clifton Park	NY
## 216	IT Services	328	Atlanta	GA
## 217	Real Estate	324	Palm Harbor	FL
## 218	Health	761	Flint	MI
## 219	Travel & Hospitality	323	Sarasota	FL
## 220	Financial Services	356	Roseville	CA
## 221	Manufacturing	489	Woodville	WI
## 222	Business Products & Services	405	Duluth	GA
## 223	Logistics & Transportation	1097	Jensen Beach	FL
## 224	Retail	280	bellevue	WA
## 225	IT Services	461	Miramar	FL

## 226	Food & Beverage	1834	Countryside	IL
## 227	IT Services	330	St. Louis	MO
## 228	Advertising & Marketing	350	Minneapolis	MN
## 229	Software	282	Newton	MA
## 230	Health	596	Pearland	TX
## 231	Construction	288	San Jose	CA
## 232	Energy	492	Dallas	TX
## 233	Software	352	Exton	PA
## 234	Energy	482	Warrenville	IL
## 235	IT Services	3500	McLean	VA
## 236	Logistics & Transportation	280	Bakersfield	CA
## 237	Human Resources	693	St Charles	IL
## 238	Software	240	Parsippany	NJ
## 239	Consumer Products & Services	1616	Denver	CO
## 240	Real Estate	547	Powder Springs	GA
## 241	Food & Beverage	1257	Memphis	TN
## 242	Health	250	Chicago	IL
## 243	IT Services	324	Pittsburgh	PA
## 244	IT Services	300	Southfield	MI
## 245	Software	281	Mountain View	CA
## 246	Manufacturing	411	south bend	IN
## 247	Retail	436	Saint Louis	MO
## 248	Food & Beverage	600	Austin	TX
## 249	IT Services	487	Bloomfield Hills	MI
## 250	Business Products & Services	477	Tempe	AZ
## 251	Security	270	Los Angeles	CA
## 252	IT Services	265	San Jose	CA
## 253	Food & Beverage	4000	Cincinnati	OH
## 254	Travel & Hospitality	600	Boston	MA
## 255	Construction	275	Dallas	TX
## 256	Government Services	309	Gilbert	AZ
## 257	Consumer Products & Services	558	Denver	CO
## 258	Security	4510	Culver City	CA
## 259	Health	750	Warren	NJ
## 260	Financial Services	485	St. Louis	MO
## 261	Food & Beverage	2570	Dallas	TX
## 262	Financial Services	1140	Los Angeles	CA
## 263	Software	320	New York	NY
## 264	Health	621	Jacksonville	FL
## 265	Manufacturing	250	Kenosha	WI
## 266	Human Resources	592	Arlington Heights	IL
## 267	Human Resources	7612	Oak Brook	IL
## 268	IT Services	727	Framingham	MA
## 269	Retail	275	Irving	TX
## 270	Logistics & Transportation	2116	Cincinnati	OH
## 271	Health	248	Dallas	TX
## 272	IT Services	250	South Plainfield	NJ
## 273	Software	1300	McLean	VA
## 274	Energy	400	Raleigh	NC
## 275	Energy	421	Austin	TX
## 276	Energy	277	Fort Lauderdale	FL
## 277	Software	360	Chandler	AZ
## 278	Health	2200	Westborough	MA
## 279	Telecommunications	656	Portland	OR

## 280	Human Resources	17000	Olney	MD
## 281	Financial Services	699	Durango	CO
## 282	Human Resources	240	Redmond	WA
## 283	Manufacturing	312	Lexington	KY
## 284	Security	525	Denver	CO
## 285	Financial Services	260	Portage	MI
## 286	Construction	844	Hummelstown	PA
## 287	Manufacturing	320	Cleveland	OH
## 288	Telecommunications	950	Los Angeles	CA
## 289	Health	311	Weymouth	MA
## 290	Human Resources	66803	Wilmington	DE
## 291	Human Resources	550	Oklahoma City	OK
## 292	IT Services	320	Long Beach	CA
## 293	Government Services	535	Arlington	VA
## 294	IT Services	2390	Alpharetta	GA
## 295	IT Services	310	Portland	OR
## 296	Food & Beverage	3237	Wichita	KS
## 297	Financial Services	433	New Orleans	LA
## 298	IT Services	300	New York	NY
## 299	Software	260	San Diego	CA
## 300	Travel & Hospitality	246	Miramar Beach	FL
## 301	Environmental Services	567	Detroit	MI
## 302	Computer Hardware	270	Grand Rapids	MI
## 303	Engineering	685	Mobile	AL
## 304	Manufacturing	1270	Waukesha	WI
## 305	Advertising & Marketing	484	seattle	WA
## 306	Advertising & Marketing	271	Chicago	IL
## 307	Advertising & Marketing	352	Redwood City	CA
## 308	Software	758	Colorado Springs	CO
## 309	Advertising & Marketing	289	Tampa	FL
## 310	Government Services	365	Reston	VA
## 311	IT Services	380	Albuquerque	NM
## 312	Health	1800	Englewood Cliffs	NJ
## 313	IT Services	586	Kirkland	WA
## 314	Business Products & Services	537	Peoria	IL
## 315	Financial Services	243	Jacksonville	FL
## 316	Business Products & Services	4036	Chicago	IL
## 317	IT Services	297	Kennesaw	GA
## 318	Retail	1300	Boston	MA
## 319	Energy	294	New Windsor	NY
## 320	Human Resources	318	Birmingham	AL
## 321	Security	280	Saint Pettersburg	FL
## 322	Human Resources	370	Knoxville	TN
## 323	Software	340	San Francisco	CA
## 324	Health	1100	Jackson	MI
## 325	Insurance	296	Atlanta	GA
## 326	Telecommunications	607	Fairfax	VA
## 327	IT Services	1268	Atlanta	GA
## 328	Insurance	2877	Charlotte	NC
## 329	Telecommunications	512	Houston	TX
## 330	Retail	345	Savannah	GA
## 331	Software	399	Bellevue	WA
## 332	Logistics & Transportation	592	Alcoa	TN
## 333	Engineering	520	San Diego	CA

## 334	Health	1000	Bethesda	MD
## 335	Business Products & Services	268	Houston	TX
## 336	Health	287	Chicago	IL
## 337	Manufacturing	708	Oklahoma City	OK
## 338	Financial Services	311	Newport Beach	CA
## 339	Food & Beverage	278	San Francisco	CA
## 340	Manufacturing	262	Bern	KS
## 341	Financial Services	280	Williamston	MI
## 342	Human Resources	244	Cincinnati	OH
## 343	IT Services	875	Monmouth Junction	NJ
## 344	Business Products & Services	566	Livermore	CA
## 345	Financial Services	1393	North Salt Lake	UT
## 346	Business Products & Services	425	Atlanta	GA
## 347	Construction	1147	Chester	PA
## 348	Education	850	Scottsdale	AZ
## 349	Telecommunications	399	Allen	TX
## 350	Business Products & Services	1849	Rochester Hills	MI
## 351	IT Services	1500	Parsippany	NJ
## 352	Travel & Hospitality	857	San Diego	CA
## 353	Financial Services	1829	Mount Laurel	NJ
## 354	Health	542	Lewisville	TX
## 355	Software	750	San Mateo	CA
## 356	IT Services	500	Redmond	WA
## 357	Telecommunications	1693	Plano	TX
## 358	Business Products & Services	300	Dallas	TX
## 359	Financial Services	339	McLean	VA
## 360	Business Products & Services	1000	Redondo Beach	CA
## 361	Retail	385	Salt Lake City	UT
## 362	Business Products & Services	1124	New York	NY
## 363	Food & Beverage	450	Houston	TX
## 364	Consumer Products & Services	253	Rancho Cucamonga	CA
## 365	Health	321	Houston	TX
## 366	Energy	800	Tulsa	OK
## 367	Logistics & Transportation	400	Franklin park	IL
## 368	Human Resources	17057	Fresno	CA
## 369	Human Resources	10611	Dallas	TX
## 370	Health	340	Newington	NH
## 371	Human Resources	310	Reston	VA
## 372	Manufacturing	287	Markle	IN
## 373	Consumer Products & Services	1204	Dallas	TX
## 374	Telecommunications	316	New York	NY
## 375	Financial Services	410	Salt Lake City	UT
## 376	Energy	968	Austin, Texas	TX
## 377	Energy	250	Youngsville	LA
## 378	Software	292	Boston	MA
## 379	Health	373	Plano	TX
## 380	Retail	586	Meridian	ID
## 381	Security	572	Overland Park	KS
## 382	IT Services	234	Tyson's Corner	VA
## 383	IT Services	235	Brookfield	WI
## 384	IT Services	252	McLean	VA
## 385	Human Resources	315	Bingham Farms	MI
## 386	Telecommunications	347	San Antonio	TX
## 387	Software	800	New York	NY

## 388	Financial Services	483	Fairport	NY
## 389	Food & Beverage	505	Escondido	CA
## 390	Food & Beverage	886	Aurora	CO
## 391	Human Resources	263	San Diego	CA
## 392	Logistics & Transportation	350	Pico Rivera	CA
## 393	Government Services	815	Vienna	VA
## 394	Human Resources	1000	New York	NY
## 395	Telecommunications	250	ROCHESTER	NY
## 396	Government Services	268	Huntsville	AL
## 397	Telecommunications	268	Rochester	NY
## 398	IT Services	322	New York	NY
## 399	Security	616	Tempe	AZ
## 400	Business Products & Services	503	Birmingham	AL
## 401	Human Resources	396	Charlotte	NC
## 402	Telecommunications	1029	Exeter	RI
## 403	Telecommunications	1073	Troy	MI
## 404	Food & Beverage	400	St. Louis	MO
## 405	Health	2650	Palo Alto	CA
## 406	Human Resources	532	Cincinnati	OH
## 407	Real Estate	494	Logan	UT
## 408	Education	235	Lakewood	NJ
## 409	Financial Services	449	Canoga Park	CA
## 410	Human Resources	1424	Houston	TX
## 411	IT Services	280	Seattle	WA
## 412	Health	597	Plymouth Meeting	PA
## 413	IT Services	330	Minneapolis	MN
## 414	Human Resources	254	Brookfield	WI
## 415	Health	265	Fargo	ND
## 416	Human Resources	1577	Troy	MI
## 417	IT Services	609	Dublin	CA
## 418	Health	550	Raleigh	NC
## 419	Security	250	Dulles	VA
## 420	IT Services	300	Dallas	TX
## 421	Human Resources	1134	New York	NY
## 422	Food & Beverage	2261	Salt Lake City	UT
## 423	Business Products & Services	711	Spearfish	SD
## 424	Food & Beverage	1081	Lehi	UT
## 425	IT Services	350	King of Prussia	PA
## 426	Business Products & Services	267	Ferndale	WA
## 427	Environmental Services	375	Santa Clara	CA
## 428	IT Services	400	Richmond	VA
## 429	Business Products & Services	697	Los Angeles	CA
## 430	IT Services	325	Louisville	KY
## 431	Health	263	Fargo	ND
## 432	Advertising & Marketing	335	San Francisco, CA	CA
## 433	Construction	850	Winterville	NC
## 434	IT Services	474	Irvine	CA
## 435	Manufacturing	272	Kent	WA
## 436	Consumer Products & Services	280	Austin	TX
## 437	Software	257	Tampa	FL
## 438	Retail	550	Battlefield	MO
## 439	Logistics & Transportation	365	Akron	OH
## 440	Health	501	San Antonio	TX
## 441	Manufacturing	350	Ramsey	MN

## 442	Health	667	Omaha	NE
## 443	Human Resources	850	Nashville	TN
## 444	Real Estate	281	SAN DIEGO	CA
## 445	Software	865	Westport	CT
## 446	Business Products & Services	1850	Chicago	IL
## 447	Health	516	Boston	MA
## 448	Human Resources	280	Woodbury	NJ
## 449	Business Products & Services	320	Bowie	MD
## 450	Retail	696	Kalamazoo	MI
## 451	Manufacturing	364	Milwaukee	WI
## 452	Financial Services	485	Omaha	NE
## 453	Consumer Products & Services	250	Dallas	TX
## 454	Retail	282	Northbrook	IL
## 455	Logistics & Transportation	332	Pittsburgh	PA
## 456	Advertising & Marketing	1528	Margate	FL
## 457	Government Services	275	McLean	VA
## 458	Software	441	South Windsor	CT
## 459	Health	2204	Bloomfield Hills	MI
## 460	Manufacturing	1000	Florence	KY
## 461	IT Services	1000	New York	NY
## 462	Human Resources	326	McLean	VA
## 463	IT Services	1085	Wakefield	MA
## 464	Business Products & Services	831	Tucson	AZ
## 465	Travel & Hospitality	294	Plano	TX
## 466	IT Services	390	lansing	MI
## 467	Retail	2900	Corte Madera	CA
## 468	Financial Services	1640	Salt Lake City	UT
## 469	Manufacturing	250	Asheville	NC
## 470	Financial Services	725	Pleasanton	CA
## 471	Business Products & Services	334	San Diego	CA
## 472	IT Services	540	Valencia	CA
## 473	Financial Services	613	Newport	RI
## 474	Real Estate	510	San Francisco	CA
## 475	IT Services	418	Wilmette	IL
## 476	Business Products & Services	1150	Minneapolis	MN
## 477	Human Resources	3892	Jackson	MS
## 478	Telecommunications	10000	Los Angeles	CA
## 479	Government Services	275	Reston	VA
## 480	Human Resources	18887	Chicago	IL
## 481	Business Products & Services	2280	Washington	DC
## 482	Logistics & Transportation	425	Salt Lake City	UT
## 483	Business Products & Services	364	Newport News	VA
## 484	Telecommunications	1269	Alpharetta	GA
## 485	IT Services	266	Milwaukee	WI
## 486	Health	733	Ooltewah	TN
## 487	Manufacturing	360	Baton Rouge	LA
## 488	Travel & Hospitality	4878	The Woodlands	TX
## 489	Advertising & Marketing	590	Agoura Hills	CA
## 490	Business Products & Services	532	Medley	FL
## 491	Food & Beverage	383	New York	NY
## 492	Software	257	San Francisco	CA
## 493	Financial Services	1065	Wilton	CT
## 494	Business Products & Services	2435	Atlanta	GA
## 495	Financial Services	352	Wichita	KS

## 496	Security	300	Atlanta	GA
## 497	Logistics & Transportation	566	Atlanta	GA
## 498	Security	450	Phoenix	AZ
## 499	Manufacturing	2999	Peoria	IL
## 500	Human Resources	349	Troy	MI
## 501	Media	3300	Lombard	IL
## 502	IT Services	275	Plainsboro	NJ
## 503	Telecommunications	521	Clearwater	FL
## 504	IT Services	432	New York	NY
## 505	Real Estate	1024	Irvine	CA
## 506	Health	300	Port Orange	FL
## 507	Business Products & Services	582	West Palm Beach	FL
## 508	Financial Services	1606	Dallas	TX
## 509	Health	307	Chanhassen	MN
## 510	Food & Beverage	3400	Vancouver	WA
## 511	Engineering	235	Minnetonka	MN
## 512	Human Resources	500	Bedford	TX
## 513	Logistics & Transportation	10800	Pittsburgh	PA
## 514	Education	416	lawrence	MA
## 515	IT Services	350	Kettering	OH
## 516	Logistics & Transportation	533	Indianapolis	IN
## 517	Environmental Services	250	Syracuse	NY
## 518	Logistics & Transportation	326	North Brunswick	NJ
## 519	Software	238	Machesney Park	IL
## 520	Manufacturing	283	Oklahoma City	OK
## 521	Health	908	Hattiesburg	MS
## 522	Business Products & Services	601	Frederick	MD
## 523	Financial Services	300	Boca Raton	FL
## 524	Construction	278	Nashville	TN
## 525	Advertising & Marketing	5637	Scottsdale	AZ
## 526	IT Services	324	Overland Park	KS
## 527	Energy	552	The Woodlands	TX
## 528	Software	496	Las Vegas	NV
## 529	Real Estate	1600	Houston	TX
## 530	Software	234	Ann Arbor	MI
## 531	Human Resources	325	New York	NY
## 532	Manufacturing	467	Lincoln	NE
## 533	Business Products & Services	4392	Effingham	IL
## 534	Advertising & Marketing	243	Lanham	MD
## 535	IT Services	1852	Kansas City	MO
## 536	Manufacturing	8500	Sterling Heights	MI
## 537	IT Services	352	Mountain View	CA
## 538	Health	1363	Otsego	MN
## 539	Software	1486	Westlake	OH
## 540	Logistics & Transportation	1800	Rogers	MN
## 541	Energy	746	Oklahoma City	OK
## 542	Telecommunications	361	Sunnyvale	CA
## 543	Advertising & Marketing	1430	St. Louis	MO
## 544	Software	528	Schaumburg	IL
## 545	Health	1100	Brentwood	TN
## 546	Software	296	Reston	VA
## 547	Human Resources	371	Brentwood	TN
## 548	Food & Beverage	556	Atlanta	GA
## 549	Food & Beverage	237	Charlotte	NC

## 550	Business Products & Services	250	Beverly	MA
## 551	Security	707	Corpus Christi	TX
## 552	Media	429	Reston	VA
## 553	Construction	378	Lanham	MD
## 554	IT Services	375	Alpharetta	GA
## 555	Logistics & Transportation	450	Grandview	WA
## 556	Health	339	Staunton	VA
## 557	Logistics & Transportation	374	Taylor	MI
## 558	Software	839	Detroit	MI
## 559	Construction	6549	Beloit	WI
## 560	Software	250	Coconut Creek	FL
## 561	Advertising & Marketing	400	Pleasant Ridge	MI
## 562	Health	450	Mount Laurel	NJ
## 563	Health	298	Troy	NY
## 564	Government Services	508	Chantilly	VA
## 565	Human Resources	550	Grand Rapids	MI
## 566	Advertising & Marketing	259	Cedar Falls	IA
## 567	IT Services	312	Centreville	VA
## 568	IT Services	3089	Livonia	MI
## 569	Health	4390	Irvine	CA
## 570	Travel & Hospitality	2280	New York	NY
## 571	Health	525	Peoria	IL
## 572	Financial Services	273	Milwaukee	WI
## 573	Human Resources	258	Atlanta	GA
## 574	Telecommunications	1000	Quincy	MA
## 575	Real Estate	1642	Palm Bay	FL
## 576	Software	234	Matawan	NJ
## 577	Energy	1247	Carrollton	TX
## 578	Real Estate	451	Seattle	WA
## 579	Retail	925	Port Washington	WI
## 580	Manufacturing	346	Culver City	CA
## 581	Advertising & Marketing	273	Milwaukee	WI
## 582	Insurance	321	King of Prussia	PA
## 583	Logistics & Transportation	1000	Cleveland	MO
## 584	Financial Services	704	Dallas	TX
## 585	Health	2713	Knoxville	TN
## 586	Business Products & Services	613	Watsonville	CA
## 587	Travel & Hospitality	509	New York	NY
## 588	Health	1945	Lafayette	LA
## 589	Advertising & Marketing	348	Los Angeles	CA
## 590	Manufacturing	256	Bremen	IN
## 591	Human Resources	2414	Irvine	CA
## 592	Business Products & Services	345	New York	NY
## 593	Energy	342	Minneapolis	MN
## 594	Food & Beverage	1610	Missoula	MT
## 595	Business Products & Services	430	McLean	VA
## 596	Retail	4589	West Des Moines	IA
## 597	Construction	909	Irvine	CA
## 598	Engineering	1098	Elmhurst	IL
## 599	Human Resources	596	Tampa	FL
## 600	Government Services	539	Alexandria	VA
## 601	Retail	392	Des Moines	IA
## 602	Manufacturing	1333	Loveland	OH
## 603	Advertising & Marketing	244	Brookfield	WI

## 604	Business Products & Services	573	Kansas City	MO
## 605	Government Services	359	Tysons Corner	VA
## 606	Retail	710	Clearwater	FL
## 607	Travel & Hospitality	3921	Rosemont	IL
## 608	Financial Services	439	Memphis	TN
## 609	Engineering	276	Columbus	OH
## 610	Human Resources	981	San Mateo	CA
## 611	Human Resources	1401	San Leandro	CA
## 612	Food & Beverage	235	Eugene	OR
## 613	IT Services	7000	Morristown	NJ
## 614	Human Resources	13071	Pleasanton	CA
## 615	IT Services	1000	Louisville	KY
## 616	Software	805	San Francisco	CA
## 617	Media	602	New York	NY
## 618	Financial Services	705	Walpole	MA
## 619	Software	333	Salt Lake City	UT
## 620	Business Products & Services	650	Cincinnati	OH
## 621	Health	964	Somerset	NJ
## 622	Logistics & Transportation	1125	Kansas City	MO
## 623	Business Products & Services	404	New York	NY
## 624	Food & Beverage	381	Boston	MA
## 625	Manufacturing	465	Ogden	UT
## 626	Consumer Products & Services	3341	Huntersville	NC
## 627	Consumer Products & Services	237	Centennial	CO
## 628	Education	550	Lenexa	KS
## 629	IT Services	298	Boxford	MA
## 630	Software	281	Livonia	MI
## 631	Security	1923	Indianapolis	IN
## 632	Business Products & Services	4600	Cedar Rapids	IA
## 633	Logistics & Transportation	1369	Portsmouth	NH
## 634	Human Resources	7052	Annapolis	MD
## 635	Consumer Products & Services	295	Plymouth	MA
## 636	Financial Services	272	Louisville	KY
## 637	Food & Beverage	7000	Broomfield	CO
## 638	Business Products & Services	617	Greenville	SC
## 639	Software	272	Boston	MA
## 640	Retail	490	Hartland	WI
## 641	Business Products & Services	2218	New York	NY
## 642	Business Products & Services	600	Tampa	FL
## 643	Business Products & Services	810	Cleveland	OH
## 644	Financial Services	930	Irving	TX
## 645	Health	553	Arlington	TX
## 646	IT Services	707	Scranton	PA
## 647	Construction	275	Concord	NC
## 648	Manufacturing	837	Manhattan	KS
## 649	Manufacturing	280	Coeur D' Alene	ID
## 650	Construction	279	Salt Lake City	UT
## 651	Human Resources	452	Raleigh	NC
## 652	Health	238	Chicago	IL
## 653	Engineering	10000	Cincinnati	OH
## 654	Logistics & Transportation	240	Columbus	OH
## 655	Software	1271	Uniondale	NY
## 656	Retail	1268	Coppell	TX
## 657	Logistics & Transportation	386	West Chester	OH

## 658	Real Estate	740	Traverse City	MI
## 659	Health	260	Omaha	NE
## 660	Manufacturing	300	Fort Worth	TX
## 661	Retail	808	Sandy	UT
## 662	Software	565	Chicago	IL
## 663	Food & Beverage	7681	Charlotte	NC
## 664	Software	249	Okemos	MI
## 665	Financial Services	1417	St. Louis	MO
## 666	Health	359	Manhattan Beach	CA
## 667	Logistics & Transportation	281	Richmond	VA
## 668	Health	317	Hoover	AL
## 669	IT Services	3369	Scottsdale	AZ
## 670	Financial Services	425	New York	NY
## 671	Construction	421	Schaumburg	IL
## 672	Health	3725	Lafayette	LA
## 673	Human Resources	4129	Golden Valley	MN
## 674	Software	255	Salt Lake City	UT
## 675	Advertising & Marketing	270	New York	NY
## 676	Health	460	Chandler	AZ
## 677	Retail	400	Baltimore	MD
## 678	Human Resources	251	Columbia	MD
## 679	Insurance	796	Duluth	GA
## 680	Business Products & Services	32000	Pittsford	NY
## 681	Human Resources	277	Jacksonville Beach	FL
## 682	Business Products & Services	511	Louisville	CO
## 683	Education	475	Santa Monica	CA
## 684	Logistics & Transportation	2016	Lakeland	FL
## 685	Energy	891	Youngsville	LA
## 686	Financial Services	335	McKinney	TX
## 687	Business Products & Services	248	Fayetteville	NC
## 688	Business Products & Services	453	Naperville	IL
## 689	Health	2549	Eagan	MN
## 690	Health	879	Hoover	AL
## 691	Business Products & Services	632	New York	NY
## 692	Business Products & Services	245	Omaha	NE
## 693	Business Products & Services	254	Los Angeles	CA
## 694	Human Resources	14451	Boca Raton	FL
## 695	Business Products & Services	315	San Diego	CA
## 696	Retail	639	Tempe	AZ
## 697	Security	350	Raleigh	NC
## 698	Health	605	Tampa	FL
## 699	Manufacturing	1986	Schaumburg	IL
## 700	Manufacturing	400	Altoona	PA
## 701	Business Products & Services	364	Addison	IL
## 702	Business Products & Services	335	Statesville	NC
## 703	Energy	545	Deer Park	TX
## 704	IT Services	3000	Tarrytown	NY
## 705	Security	450	New York	NY
## 706	Health	746	Cotati	CA
## 707	IT Services	275	New York	NY
## 708	Advertising & Marketing	269	New York City	NY
## 709	Travel & Hospitality	906	New York	NY
## 710	Media	1410	Chicago	IL
## 711	Government Services	312	Hopkinton	MA

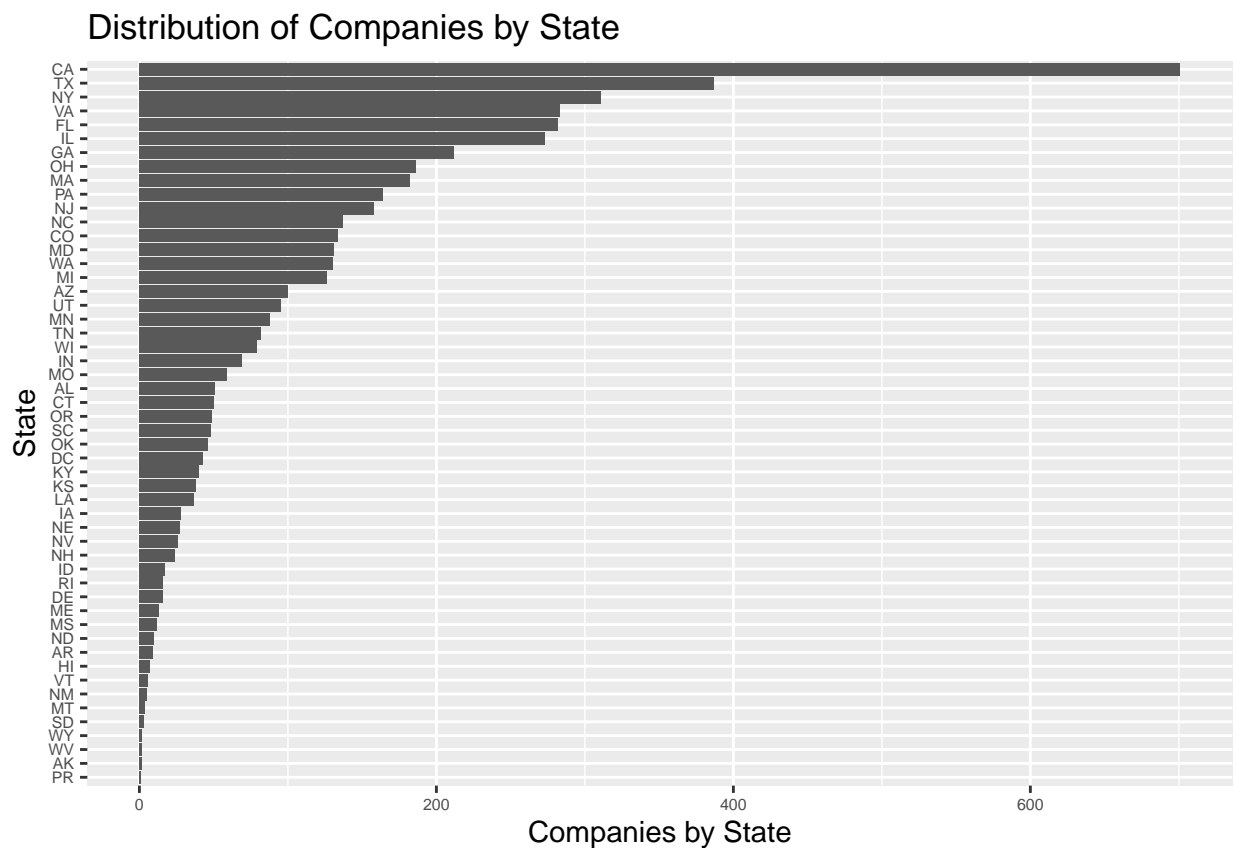
## 712	Health	500	Oak Brook	IL
## 713	Business Products & Services	1257	Cleveland	OH
## 714	Business Products & Services	319	Bloomington	MN
## 715	Real Estate	709	ATLANTA	GA
## 716	Energy	2501	Fairbanks	AK
## 717	Government Services	410	Lexington	MA
## 718	Government Services	653	Reading	PA
## 719	Computer Hardware	6800	Vernon Hills	IL
## 720	Manufacturing	485	Chagrin Falls	OH
## 721	Manufacturing	2959	Cary	NC
## 722	Health	325	Charlotte	NC
## 723	Construction	4470	Boise	ID
## 724	Food & Beverage	457	Fort Collins	CO
## 725	Food & Beverage	4223	chicago	IL
## 726	Business Products & Services	823	Seattle	WA
## 727	Business Products & Services	433	Columbia	SC
## 728	Travel & Hospitality	2500	North Palm Beach	FL
## 729	Manufacturing	307	Orangeburg	NY
## 730	Construction	550	Orange	CA
## 731	IT Services	517	Suwanee	GA
## 732	Health	1010	San Diego	CA
## 733	Advertising & Marketing	515	St. Louis	MO
## 734	Security	4720	St. Louis	MO
## 735	Business Products & Services	748	Washington	DC
## 736	Business Products & Services	1800	Tampa	FL
## 737	Software	3000	Gaithersburg	MD
## 738	Business Products & Services	301	Indianapolis	IN
## 739	Advertising & Marketing	334	Salt Lake City	UT
## 740	Software	513	Fort Worth	TX
## 741	Retail	326	Alpharetta	GA
## 742	Human Resources	3355	Dallas	TX
## 743	Logistics & Transportation	1124	Chatham	NJ
## 744	Business Products & Services	867	Los Angeles	CA
## 745	Food & Beverage	650	Fort Worth	TX
## 746	Construction	620	Linden	NJ
## 747	Business Products & Services	625	Wayne	PA
## 748	Health	441	Charlotte	NC
## 749	Business Products & Services	690	White Plains	NY
## 750	Logistics & Transportation	280	Sterling	VA
## 751	Government Services	1266	Alexandria	VA
## 752	IT Services	296	Billerica	MA
## 753	Consumer Products & Services	10000	New York	NY
## 754	IT Services	252	Santa Clara	CA
## 755	Logistics & Transportation	541	Jacksonville	FL
## 756	Business Products & Services	288	New York	NY
## 757	Business Products & Services	1517	Chicago	IL
## 758	IT Services	310	Glen Burnie	MD
## 759	Business Products & Services	277	Mountain View	CA
## 760	Advertising & Marketing	487	Southern Pines	NC
## 761	Software	252	Houston	TX
## 762	Retail	756	Tucson	AZ
## 763	Business Products & Services	296	Hauppauge	NY
## 764	Financial Services	335	Boston	MA
## 765	Health	498	Mars	PA

## 766	Manufacturing	511	Moraine	OH
## 767	Food & Beverage	3919	Mt. Sterling	IL

Question 1

Create a graph that shows the distribution of companies in the dataset by State (ie how many are in each state). There are a lot of States, so consider which axis you should use. This visualization is ultimately going to be consumed on a 'portrait' oriented screen (ie taller than wide), which should further guide your layout choices.

```
inc2 <- inc %>%
  count(State) # Get number of states
ggplot(inc2, aes(x = reorder(State, n), y = n)) + geom_bar(stat = "identity") + xlab("State") + ylab("C
```



Based on the graph, the states with the most distribution of companies are CA, TX, and NY.

Question 2

Lets dig in on the state with the 3rd most companies in the data set. Imagine you work for the state and are interested in how many people are employed by companies in different industries. Create a plot that shows the average and/or median employment by industry for companies in this state (only use cases with full data, use R's `complete.cases()` function.) In addition to this, your graph should show how variable the ranges are, and you should deal with outliers.

```
# Answer Question 2 here
```

```
Third_state <- inc %>%
```

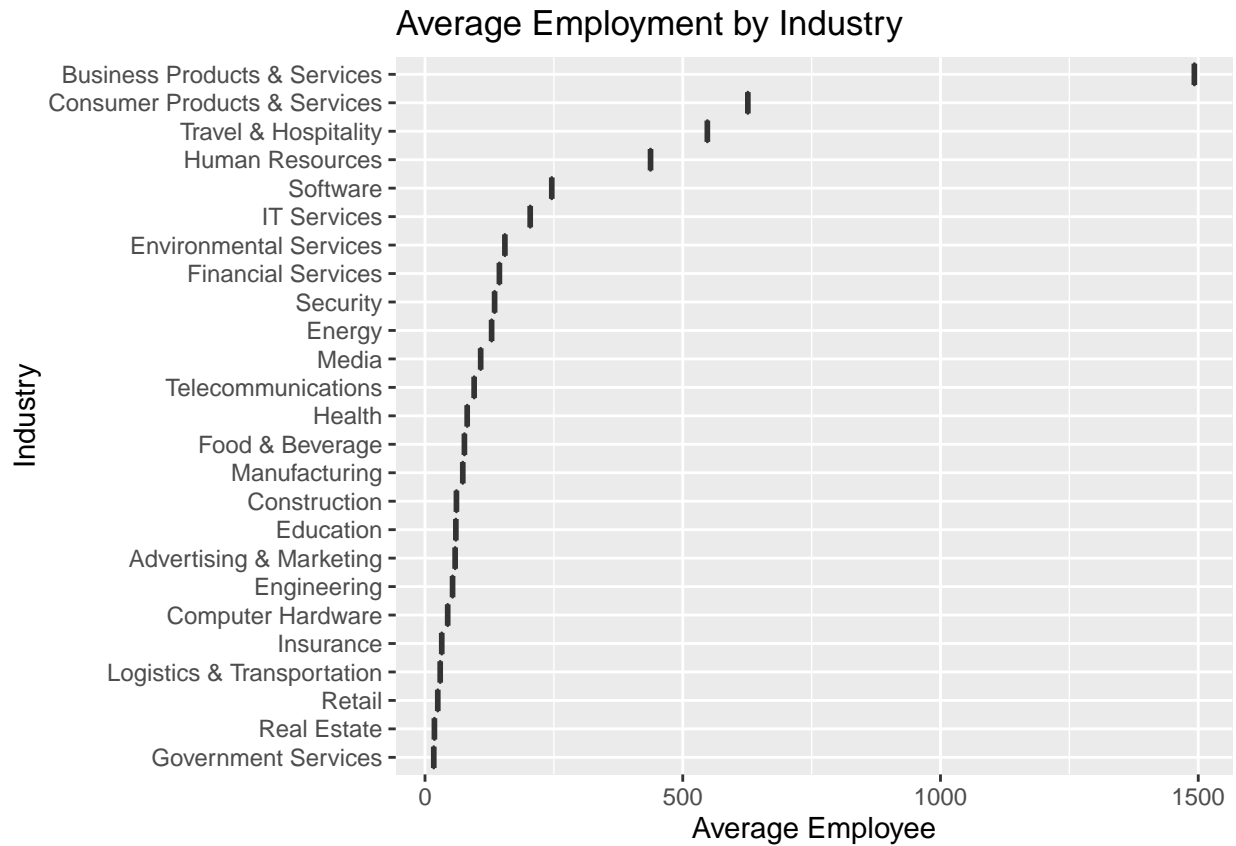
```
  filter(complete.cases(inc)) %>% # Filter cases with full data
```

```
  filter(State == "NY") %>% # Filter data for NY
```

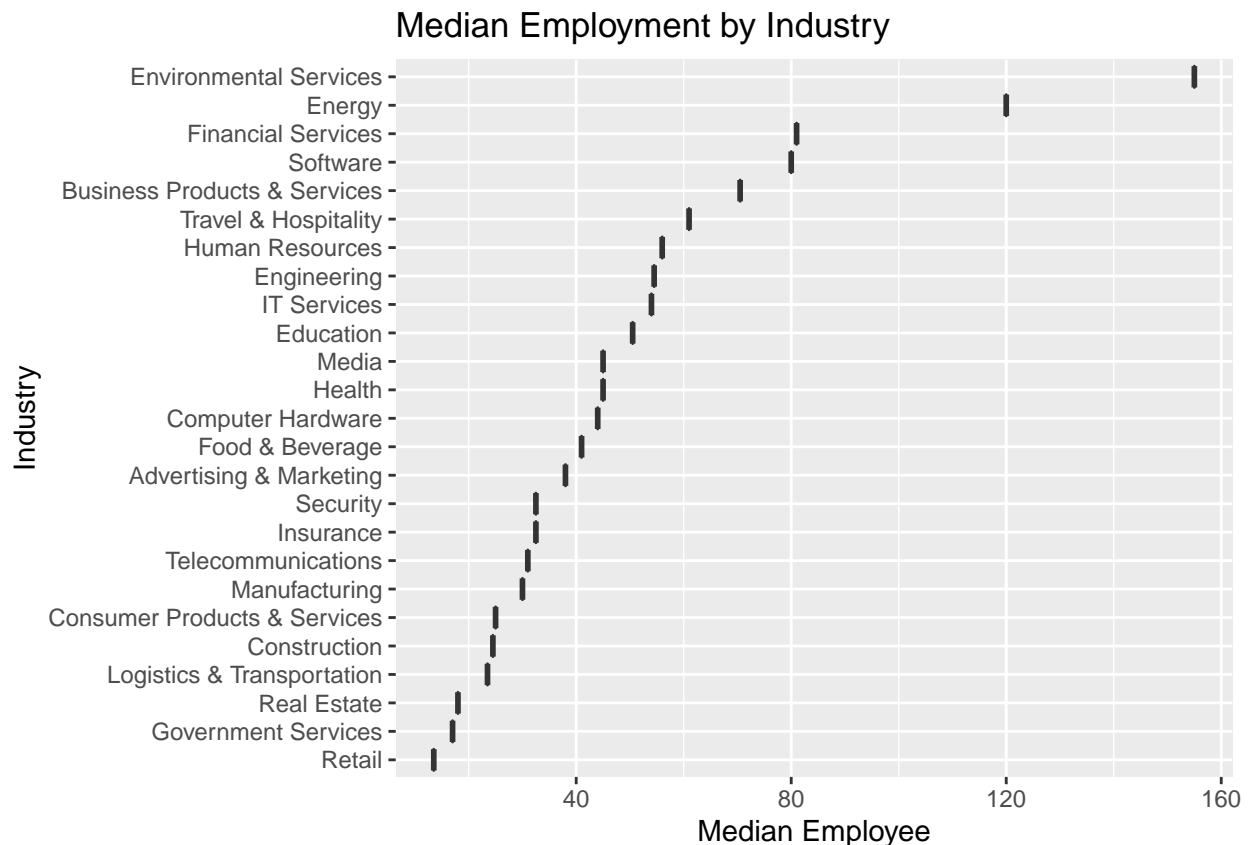
```
  group_by(Industry) %>% # Group by industries
```

```
  summarise(Average = mean(Employees), Median = median(Employees)) # Get average and median employees
```

```
ggplot(Third_state, aes(x = reorder(Industry, Average), y = Average)) + geom_boxplot() + xlab("Industry")
```



```
ggplot(Third_state, aes(x = reorder(Industry, Median), y = Median)) + geom_boxplot() + xlab("Industry")
```

The graph shows that for the 3rd highest state, New York, the industries with the highest average employees are business products & services, consumer products & services, and travel & hospitality. The industries with the highest median employees are environmental services, energy, and financial services.

Question 3

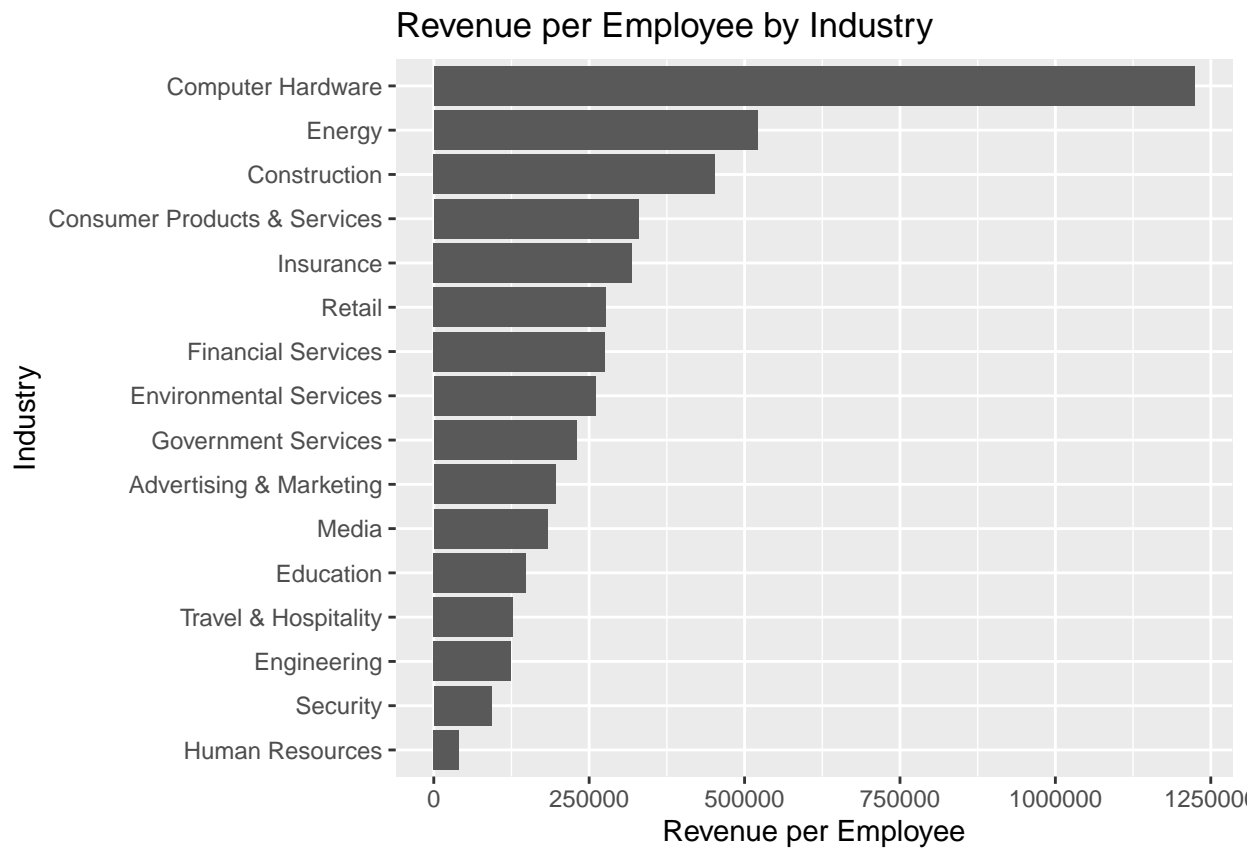
Now imagine you work for an investor and want to see which industries generate the most revenue per employee. Create a chart that makes this information clear. Once again, the distribution per industry should be shown.

```
Industry_revenue <- inc %>%
  group_by(Industry) %>% # Group by industries
  summarise(Revenue_sum = sum(Revenue), Employee_sum = sum(Employees)) %>% # Get sum of revenue and emp
  mutate(Revenue_per_employee = Revenue_sum / Employee_sum) %>% # Get revenue per employee
  arrange(desc(Revenue_per_employee)) # Sort by revenue per employee
Industry_revenue
```

```
## # A tibble: 25 x 4
##   Industry Revenue_sum Employee_sum Revenue_per_employee
##   <fct>         <dbl>         <int>         <dbl>
## 1 Computer Hardware 11885700000      9714      1223564.
## 2 Energy          13771600000     26437       520921.
## 3 Construction    13174300000     29099       452741.
## 4 Consumer Products & Services 14956400000     45464       328972.
## 5 Insurance        2337900000      7339       318558.
```

```
## 6 Retail 10257400000 37068 276718.
## 7 Financial Services 13150900000 47693 275741.
## 8 Environmental Services 2638800000 10155 259852.
## 9 Government Services 6009100000 26185 229486.
## 10 Advertising & Marketing 7785000000 39731 195943.
## # ... with 15 more rows
```

```
ggplot(data = subset(Industry_revenue, !is.na(Revenue_per_employee)), aes(x = reorder(Industry, Revenue_per_employee)))
```



We can see above that the industries that generate the most revenue per employee are computer hardware, energy, and construction.