

DATA COME IN **TWO** FORMS

- **Structured** data refer to data with a high degree of organization like those found in a relational database.
- **Unstructured** data usually refer to information that doesn't reside in a traditional row-column database. Metadata, Twitter tweets, and other social media posts are good examples of unstructured data.

Structured Data



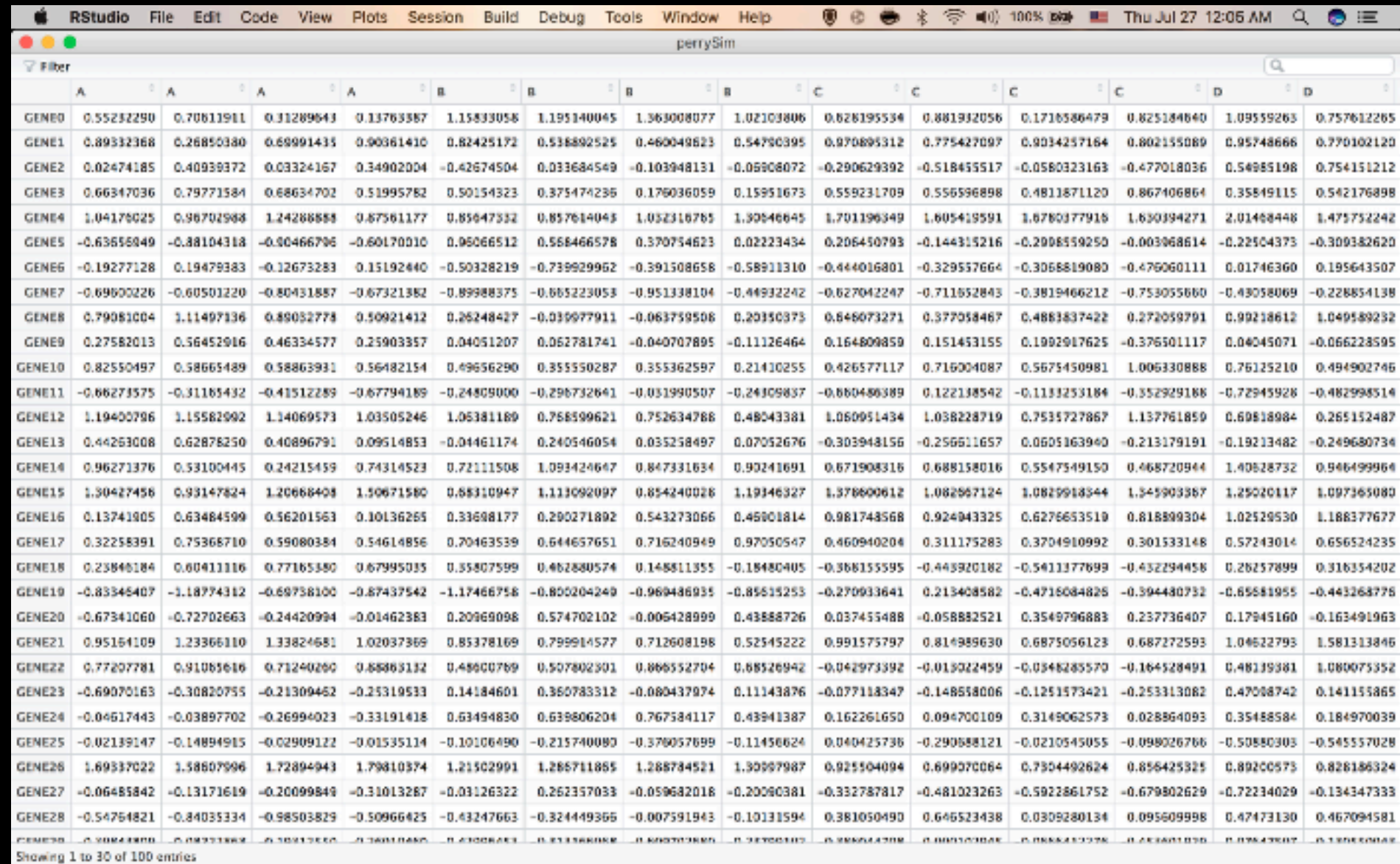
0.103	0.176	0.387	0.300	0.379
0.333	0.384	0.564	0.587	0.857
0.421	0.309	0.654	0.729	0.228
0.266	0.750	1.056	0.936	0.911
0.225	0.326	0.643	0.337	0.721
0.187	0.586	0.529	0.340	0.829
0.153	0.485	0.560	0.428	0.628

Unstructured Data



AN EXAMPLE OF STRUCTURED DATA

Easily
portable to a
traditional
row-column
RDBMS.



	A	A	A	A	B	B	B	B	C	C	C	C	C	D	D
GENE0	0.55232290	0.70811911	0.31289643	0.13763387	1.15833058	1.195140045	1.363008077	1.02103806	0.628195534	0.881932056	0.1716586479	0.825184640	1.09559263	0.757612265	
GENE1	0.89332368	0.26850380	0.68991435	0.90361410	0.82425172	0.538892525	0.460049823	0.54790395	0.970895312	0.775427097	0.9034257164	0.802155089	0.95748666	0.770102120	
GENE2	0.02474185	0.40939372	0.03324167	0.34902004	-0.42674504	0.033684549	-0.103948131	-0.06908072	-0.290629392	-0.518455517	-0.0580323163	-0.477018036	0.54985198	0.754151212	
GENE3	0.66347036	0.79771584	0.68634702	0.51995782	0.50154323	0.375174236	0.176036059	0.15951673	0.559231709	0.556596898	0.4813871120	0.867406864	0.35849115	0.542176898	
GENE4	1.04176025	0.96702988	1.24288888	0.87561177	0.85047332	0.857614043	1.032316785	1.30846645	1.701196349	1.605419591	1.6780377918	1.630394271	2.01468448	1.475752242	
GENE5	-0.63656049	-0.88104318	-0.90466796	-0.60170010	0.96066512	0.568466578	0.370754623	0.02223434	0.206450793	-0.144315216	-0.2908559250	-0.003968614	-0.22504373	-0.309382620	
GENE6	-0.19277128	0.19479383	-0.12673283	0.15192440	-0.50328219	-0.739929962	-0.391508658	-0.58911310	-0.444016801	-0.329557664	-0.3058819080	-0.476060111	0.01746360	0.195643507	
GENE7	-0.69600226	-0.60501220	-0.80431887	-0.67321382	-0.89988375	-0.665223053	-0.951338104	-0.44932242	-0.627042247	-0.711652843	-0.3819466212	-0.753055660	-0.43058069	-0.228854138	
GENE8	0.79081004	1.11497136	0.89052778	0.50921412	0.26248427	-0.039977911	-0.063759508	0.20350373	0.646073271	0.377058467	0.4883837422	0.272059791	0.99218612	1.049589232	
GENE9	0.27582013	0.56452916	0.46334577	0.25903357	0.04051207	0.062781741	-0.040707895	-0.11126464	0.164809859	0.151453155	0.1992917625	-0.376501117	0.04045071	-0.066228595	
GENE10	0.82550497	0.58665489	0.58863931	0.56482154	0.49656290	0.355350287	0.355362597	0.21410255	0.426577117	0.716004087	0.5675450981	1.006330888	0.76125210	0.494902746	
GENE11	-0.66273575	-0.31165432	-0.41512289	-0.67794189	-0.24809000	-0.296732641	-0.031990507	-0.24109837	-0.680486389	0.122138542	-0.1133253184	-0.352929186	-0.72945928	-0.482998514	
GENE12	1.19400796	1.15582992	1.14069573	1.03505246	1.06381189	0.7568599621	0.752634788	0.48043381	1.060951434	1.038228719	0.7531727867	1.137761859	0.69818984	0.265152487	
GENE13	0.44263008	0.62878250	0.40896791	0.09514853	-0.04461174	0.240546054	0.035238497	0.07052676	-0.303948156	-0.256611657	0.0605163940	-0.213179191	-0.19213482	-0.249680734	
GENE14	0.96271376	0.53100445	0.24215459	0.74314523	0.72111508	1.093424647	0.847331634	0.90241691	0.671908316	0.688158016	0.5547549150	0.468720944	1.40828732	0.946499964	
GENE15	1.30427456	0.93147824	1.20668408	1.50671580	0.88310947	1.113092097	0.854240028	1.19346327	1.378600612	1.082967124	1.0829918344	1.545903387	1.25020117	1.097365080	
GENE16	0.13741905	0.63484599	0.56201563	0.10136265	0.33698177	0.290271892	0.543273066	0.46901814	0.981748568	0.924943325	0.6276653519	0.818899304	1.02529530	1.188377677	
GENE17	0.32258391	0.75368710	0.59080384	0.54614856	0.70463539	0.644657651	0.716240949	0.97050547	0.460940204	0.311175283	0.3704910992	0.301533148	0.57243014	0.656524235	
GENE18	0.23846184	0.60411316	0.77165380	0.67995035	0.35807599	0.462880574	0.148811355	-0.18480405	-0.386155595	-0.443920182	-0.5411377699	-0.432294458	0.26257899	0.316354202	
GENE19	-0.83346407	-1.18774312	-0.69738100	-0.87437542	-1.17466758	-0.800204249	-0.969486935	-0.85615253	-0.270933641	0.213408582	-0.4716084826	-0.394480732	-0.65681955	-0.443268776	
GENE20	-0.67341060	-0.72702663	-0.24420994	-0.01462383	0.20969098	0.574702102	-0.006428999	0.43888726	0.037455488	-0.058882521	0.3549796883	0.237736407	0.17945160	-0.163491963	
GENE21	0.95164109	1.23366110	1.33824681	1.02037369	0.85378169	0.799914577	0.712608198	0.52545222	0.991575797	0.814989630	0.6875056123	0.687272593	1.04622793	1.581313846	
GENE22	0.77207781	0.91065616	0.71240260	0.88863132	0.48600789	0.507802301	0.886552704	0.88526942	-0.042973392	-0.019022459	-0.0348285570	-0.164528491	0.48139381	1.080075352	
GENE23	-0.69070163	-0.30820755	-0.21309462	-0.25319533	0.14184601	0.360783312	-0.080437974	0.11143876	-0.077118347	-0.148558006	-0.1251573421	-0.253313082	0.47008742	0.141155865	
GENE24	-0.04617443	-0.03897702	-0.26994023	-0.33191418	0.63494830	0.639806204	0.767584117	0.43941387	0.162261650	0.094700109	0.3149062573	0.028864093	0.35488584	0.184970039	
GENE25	-0.02139147	-0.14894915	-0.02909122	-0.01535114	-0.10106490	-0.215740080	-0.376057699	-0.11456624	0.040425736	-0.290688121	-0.0210545055	-0.098026766	-0.50880303	-0.545557028	
GENE26	1.69337022	1.58607996	1.72894943	1.79810374	1.21502991	1.286711865	1.288784521	1.30997987	0.925504094	0.699070064	0.7304492624	0.856425325	0.89200573	0.826186324	
GENE27	-0.06485842	-0.13171619	-0.20099849	-0.31013287	-0.03126322	0.262357033	-0.059682018	-0.20060381	-0.332787817	-0.481023263	-0.5922861752	-0.679802629	-0.72234029	-0.134347333	
GENE28	-0.54754821	-0.84035334	-0.98503829	-0.50966425	-0.43247663	-0.324449365	-0.007591943	-0.10131594	0.381050490	0.646523438	0.0309280134	0.095609998	0.47473130	0.467094581	
GENE29	-0.30848900	-0.08333888	-0.30313550	-0.34011840	-0.43090463	-0.31376908	-0.49070280	-0.27900113	-0.388644308	-0.000503046	-0.088453238	-0.432601030	-0.07847807	-0.130650048	

Showing 1 to 30 of 100 entries

