

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



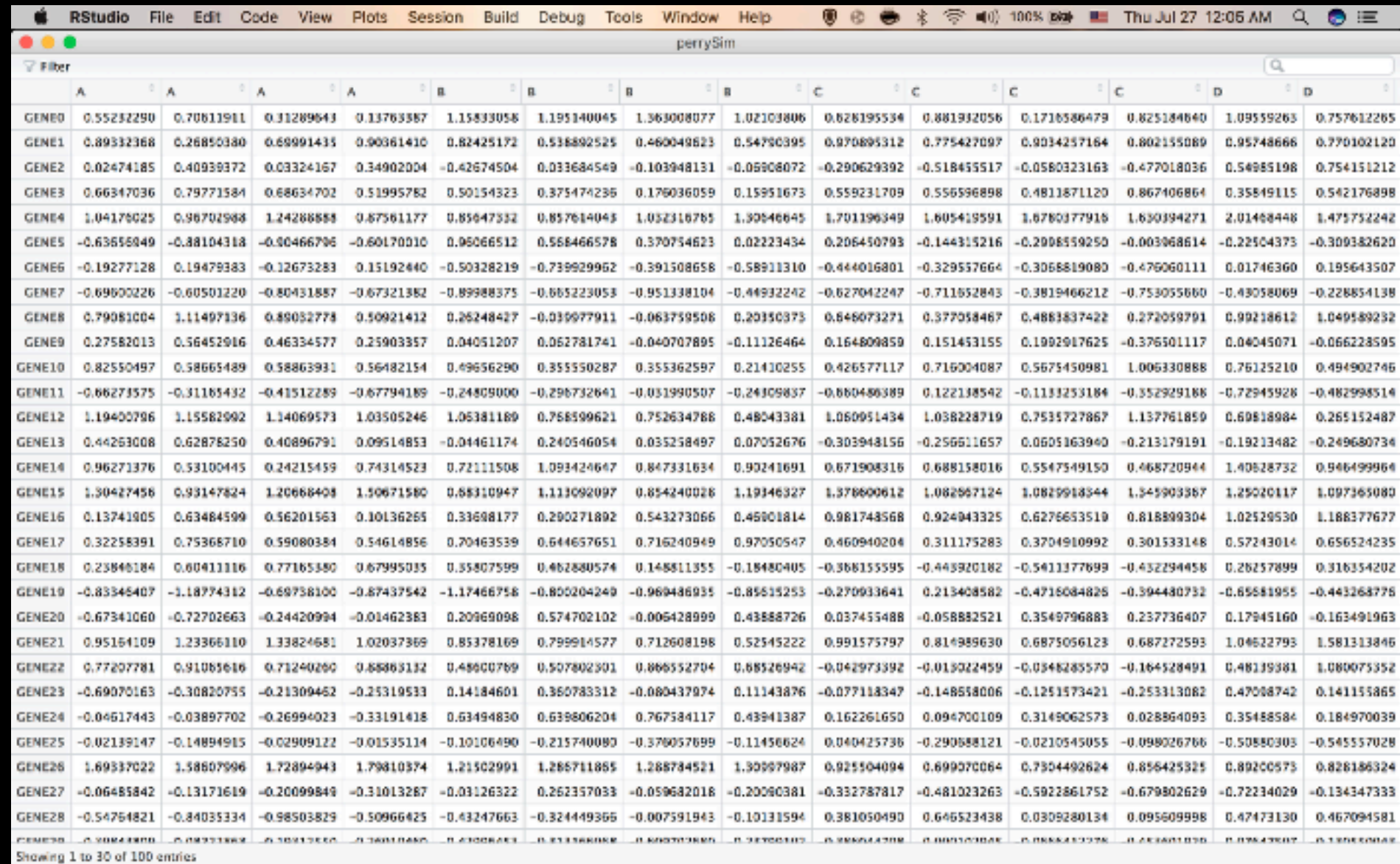
0.103	0.176	0.387	0.300	0.379
0.333	0.384	0.564	0.587	0.857
0.421	0.309	0.654	0.729	0.228
0.266	0.750	1.056	0.936	0.911
0.225	0.326	0.643	0.337	0.721
0.187	0.586	0.529	0.340	0.829
0.153	0.485	0.560	0.428	0.628

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	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	-0.49058069	-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	0.756859621	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	1.345903387	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	-0.388155595	-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	-0.31376008	-0.49070280	-0.27900113	-0.388644308	-0.000503046	-0.088453238	-0.432601030	-0.07847807	-0.130850048

Showing 1 to 30 of 100 entries

