

Textile Imports into United States from China

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Objective

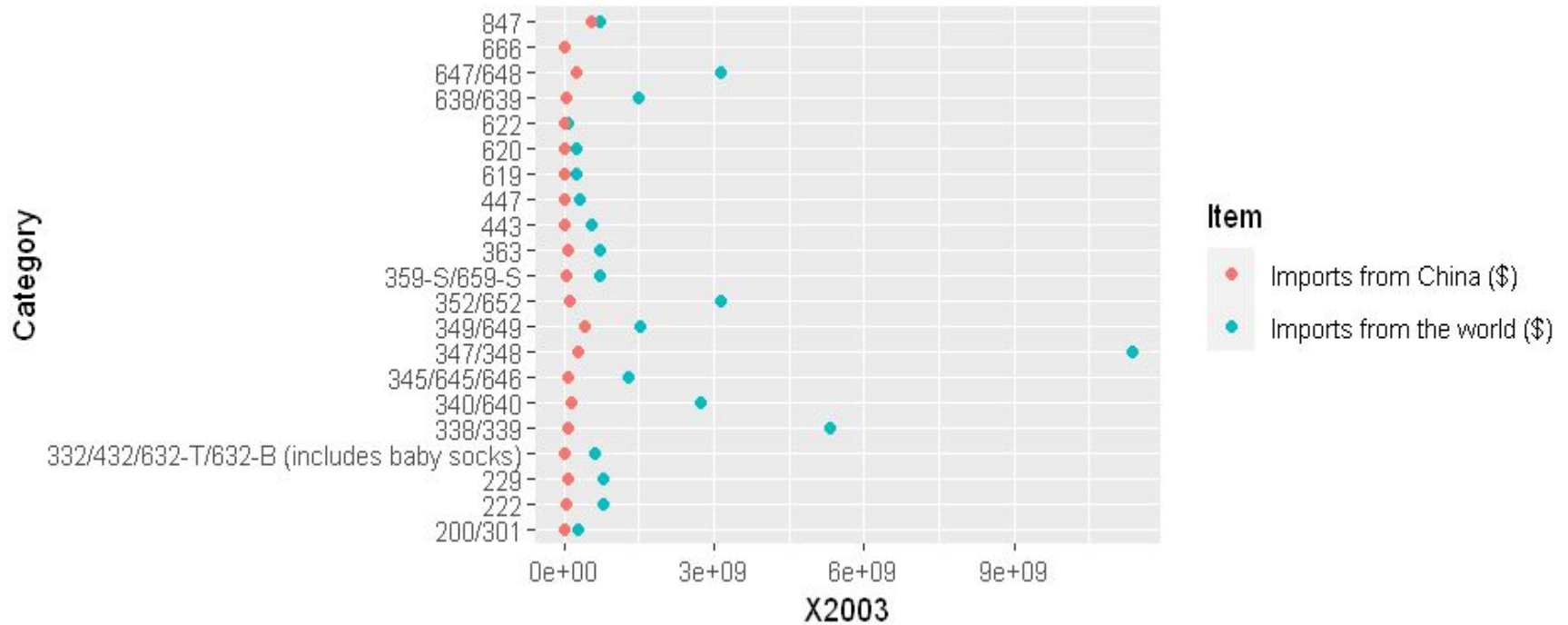
- Gain insight into the behaviour of different categories of textile industry
- Find correlations between the imports from China to imports from World
- Analyze the correlation between different categories of textile imported from China
- Stakeholder : US Trade Department

The Data

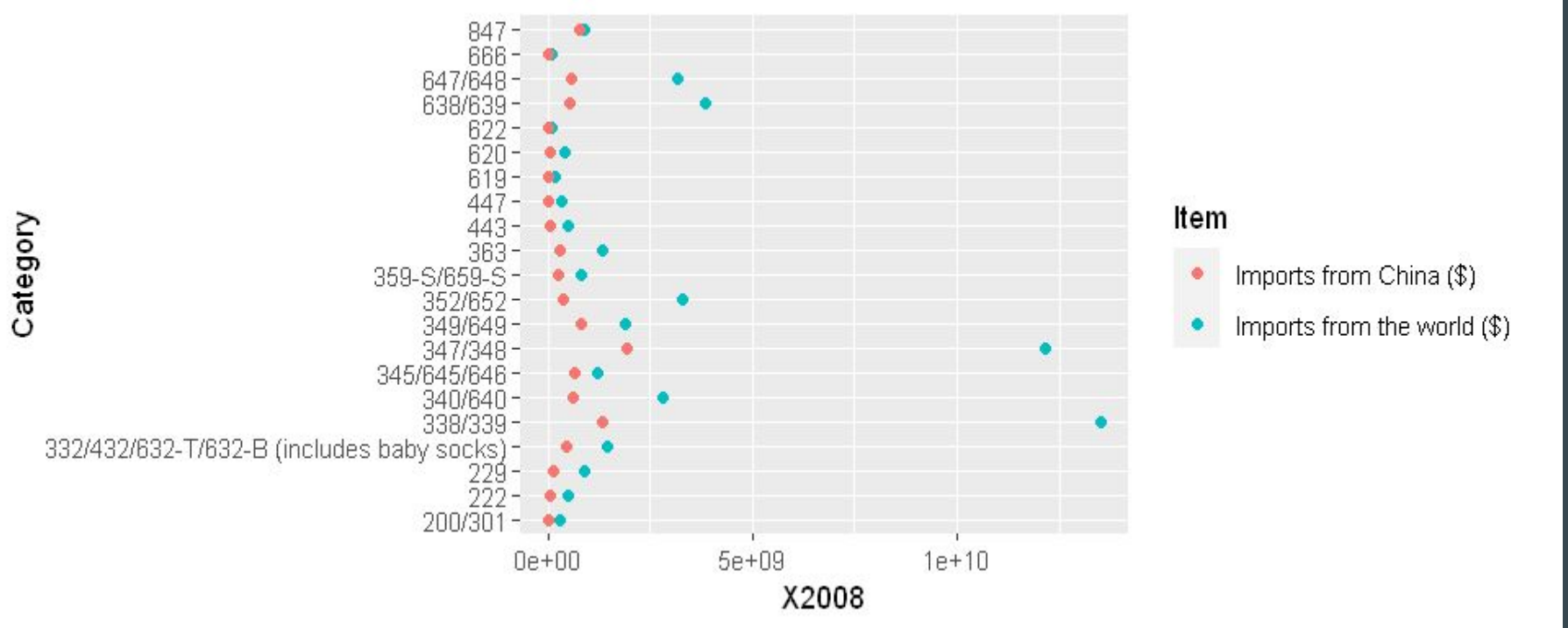
- Textile Imports from China and the World, 2003-2019
- Metrics are in dollars, not volume
- Categories and codes

Category	Item	X2003	X2004	X2005	X2006	X2007	X2008	X2009	X2010	X2011	X2012	X2013	X
200/301	Imports from the world (\$)	277430029	415842557	414534831	372199929	289041401	279894752	226077990	280791228	298672712	280739873	310345671	30259
200/301	Imports from China (\$)	8984223	16395205	28310203	18401779	12724670	16461879	14817764	23676756	28385492	38796069	56022057	3945
222	Imports from the world (\$)	784634904	742935566	746187183	739609652	608743785	492052643	417633208	491395780	582081068	651605099	685556751	73658
222	Imports from China (\$)	42833655	46337000	73590660	60714696	62595686	63886401	105862106	148340338	206270402	278787432	312989813	32009
229	Imports from the world (\$)	778245261	878593955	974096414	888992331	892619631	908657541	788279175	1000862014	1182651357	1230552372	1267983490	135510
229	Imports from China (\$)	63862852	122362635	174253750	112067212	100525706	128890120	119087104	145205662	206755287	258846802	281228389	31652

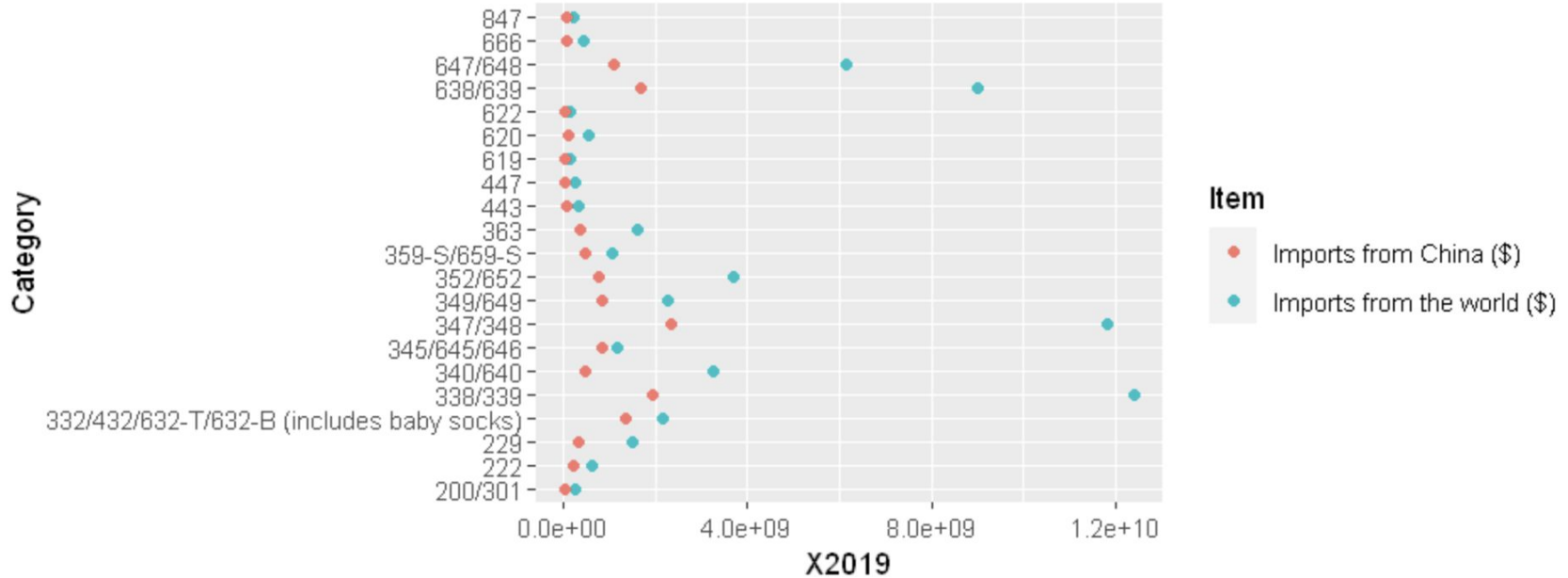
2003 Import Levels



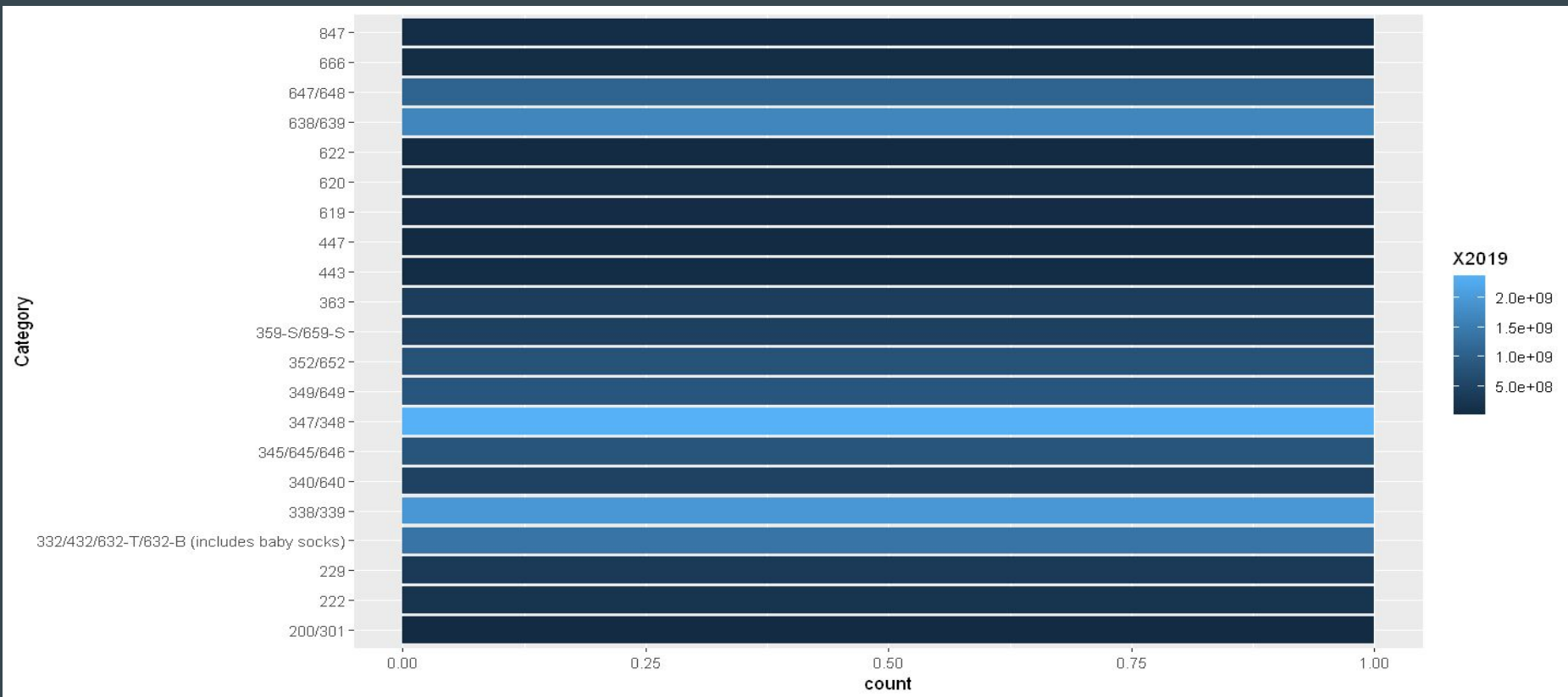
2008 Import Levels



2019 Import Levels



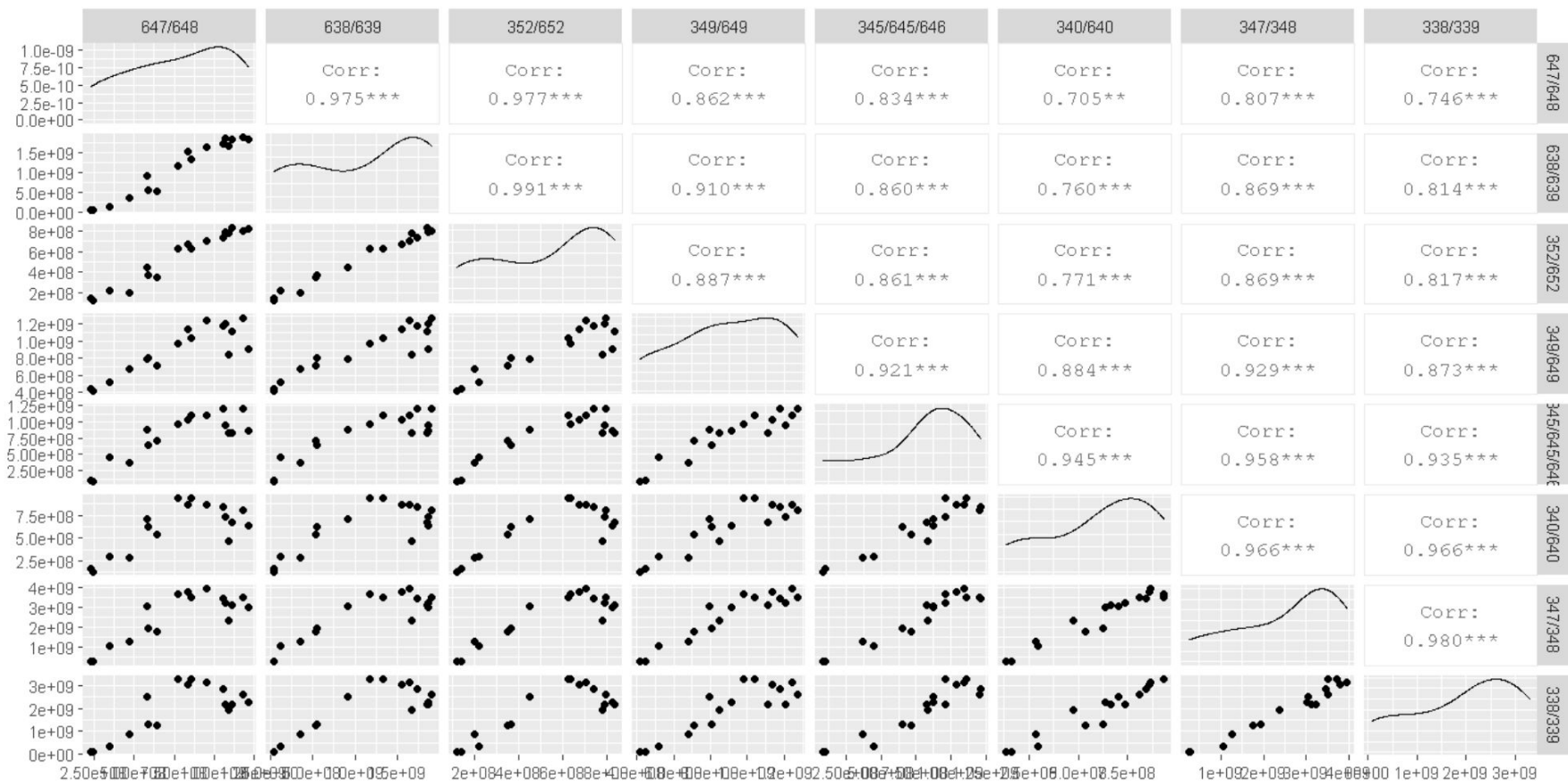
Imports From China in 2019



Imports From China

	647/648	638/639	352/652	349/649	345/645/646	340/640	347/348	338/339
X2003	242938626	46373168	120125811	419697038	90275674	136003562	280226491	92748655
X2004	232299298	48565549	137038641	446643983	101276337	160634388	271880618	96717389
X2005	346642412	126286223	219171659	516641492	448661914	295638644	1067172888	324077440
X2006	471988048	351559478	197779318	679260972	372386888	284714893	1266127999	851642337
X2007	642451160	529975071	349130178	710724528	717172898	536281187	1766047082	1255548181
X2008	588393011	543509807	365081993	808925319	650532587	622832231	1935815989	1317452469
X2009	582227168	915584790	448694786	791507655	873221546	702292659	3048306813	2495292410
X2010	769843660	1168714885	632184698	977430972	961339369	932018531	3698536706	3288215347
X2011	858626159	1333081858	623374092	1038885207	1106722145	932065972	3511775063	3279471023
X2012	835970091	1550648435	675578605	1137335957	1032748427	861303717	3778877663	3044799325
X2013	953710467	1644429666	701980592	1242838313	1094955454	864030652	3941494979	3142878540
X2014	1055178963	1731405683	740239064	1176388633	1208735657	845544136	3443726879	2841469166
X2015	1175415742	1901306876	795984070	1271724568	1197894565	807928525	3499825492	2595106615
X2016	1065195387	1861052291	786818869	1204397403	954486840	734983152	3209599932	2194076683
X2017	1109960975	1851767568	833630123	1107934531	821600454	666082146	3126349177	2177751102
X2018	1212024494	1857390548	822960152	910722768	869472371	634810805	3021978055	2273532466
X2019	1088216647	1667477099	777292570	847740504	830493767	473185742	2360681450	1954839330

Correlations



Multiple Regression Model

Call:

```
lm(formula = textile_china$"347/348" ~ textile_china$"338/339" +  
    textile_china$"349/649", data = textile_china)
```

Residuals:

	Min	1Q	Median	3Q	Max
	-259688577	-113196018	3555791	65076942	322218314

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	-2.099e+08	1.719e+08	-1.221	0.242125
textile_china\$"338/339"	7.844e-01	7.974e-02	9.837	1.14e-07 ***
textile_china\$"349/649"	1.356e+00	3.163e-01	4.287	0.000752 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 171700000 on 14 degrees of freedom

Multiple R-squared: 0.9827, Adjusted R-squared: 0.9802

F-statistic: 397.2 on 2 and 14 DF, p-value: 4.673e-13

Conclusion

- Textile categories do indeed have important correlation
- Correlations are all positive and indicate a wholistic economy with variables that behave in similar manners
- What to do with this data?