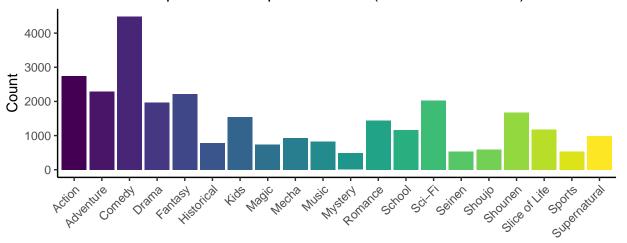
Recommending Television Shows from User Ratings Matthew Wolff

Table 1: Summary of Show Data and Missing Values

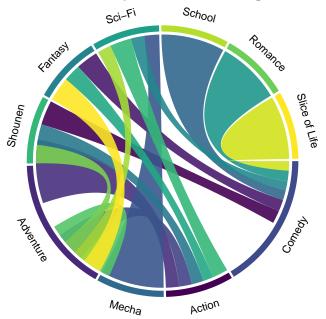
	Minimum	1st Quartile	Median	Mean	3rd Quartile	Max	Missing Vals
episodes rating members	1.00 1.670 5	1.00 5.880 225	2.00 6.570 1550	12.38 6.474 18071	12.00 7.180 9437	1818.00 10.000 1013917	340 230 0

Top 20 Most Popular Genres (from 11880 shows)



Genre

Most Frequent Genre Pairings



Frequent Pairing Counts

Genre1	Genre2	Count
Action	Sci-Fi	1008
Adventure	Fantasy	921
Comedy	Shounen	918
Adventure	Comedy	895
Action	Adventure	867
Comedy	Fantasy	839
Action	Comedy	838
Action	Shounen	766
Comedy	Romance	753
Comedy	School	729
Mecha	Sci-Fi	712
Adventure	Shounen	692
Comedy	Slice of Life	672
Action	Fantasy	663
Adventure	Sci-Fi	646
Comedy	Sci-Fi	624

Relationship and Distributions between Show Variables

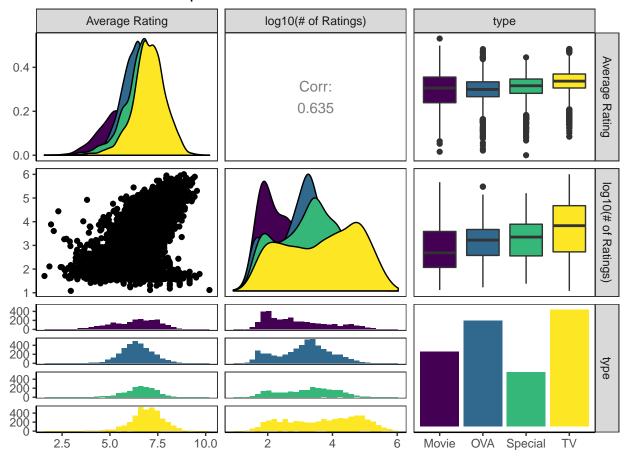
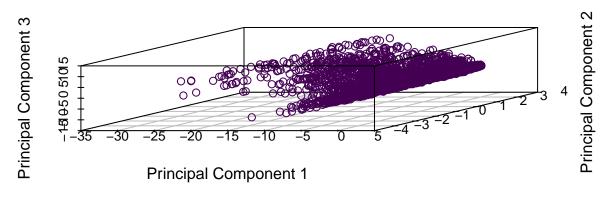
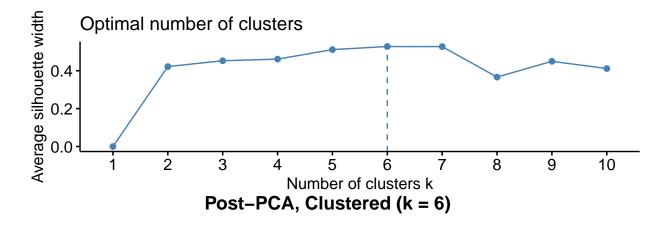


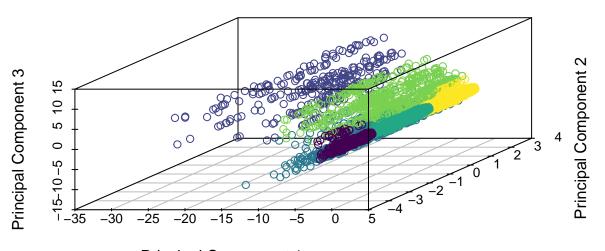
Table 2: Principal Component Analysis: Top Eigenvalues

	eigenvalue	percentage of variance	cumulative percentage of variance
comp 1	3.878053	9.695134	9.695134
comp 2	2.291160	5.727899	15.423032
comp 3	1.981049	4.952622	20.375654
comp 4	1.936781	4.841953	25.217608
comp 5	1.654812	4.137029	29.354637

Post-PCA: Three Principal Components, Unclustered







Principal Component 1



Cluster 1

Sci-Fi Action Shounen Fantasy
Supernatural

Mystery

Cluster 2

