

	<pre>Z_rand = np.abs(np.random.randn(rat_m.shape[0], n_comp)) H_rand = np.abs(np.random.randn(n_comp, rat_m.shape[1])) Z, H = non_negative(Z_rand, H_rand, rat_m,</pre>					
	# A matrix that rep	<pre>lues in one row to mp): [i,:].max() heatmap showing ange(18)) ange(n_comp))</pre>	ies between rows o. o lie in [0,1]	f H and film gen:		res
: I	# Rotate the tick 1 plt.setp(ax.get_xtic rotation_m # Loop over data did for i in range(n_com for j in range(text = ax.te ha="center"	mv.columns) abels and set the cklabels(), rotation ode="anchor") mensions and creamp): 18): ext(j, i, round(or, va="center", columns):	<pre>ion=45, ha="right" te text annotation. ut[i, j],2), lor="w", size='sma.</pre>	5.		
0]: 1	1 - 0.7	Rows of H and Film General Rows of H and Row	Film Genres 0.04	0.39 1.0 0.48 0.02 0.15 0.44 0.56 0.26 0.57 0.97 0.46 0.12		
	5 - 1.0	2 0.27 0.0 0.21 0.07 72 0.34 0.12 1.0 0.11 1 43 0.21 0.14 1.0 0.02 1 36 0.15 0.01 0.41 0.11 1 0 0.18 0.05 0.4 0.08	0.06 0.27 0.05 0.1 0.21 0.78 0.33 0.58 0.76 0.66 0.08 0.0 0.12 0.22 0.69 0.1 0.1 0.38 0.16 0.42 0.06 0.2 0.33 0.09 0.41	0.61 0.59 0.29 0.23 0.42 0.6 0.98 0.44 0.11 0.2 0.29 0.02 1.0 0.42 0.78 0.13		
F	For instance row 0 (counti	⋄			novies. Other rows car	be categorized