Graph properties:

Nodes	Edges	Global Clustering Coeff.	Average Cluster Coeff.	Assort. Degree	Assort. Nominal
1134890	2987623	0.0062	0.0808	-0.0369	-0.0001

Table 1: Summary of the principal graph properties.

Degree properties:

Min	Max	Mean	Median	Variance	Standard Deviation
1	28576	7.9716	2.0000	6513.5228	80.7064

Table 2: Summary of the principal degree properties.

AIC values:

Network	Geometric D.	Poisson D.	Zeta non-free p	Zeta	Right-Truncated Zeta	Altamann D.	MOEZipf	Negative Binomial	Discrete Weibull
Youtube	2256475.6331	13233489.087	1733258.1575	1695214.0161	1694923.9991	1688294.5604	1674891.8993	-	1676831.4707

Table 3: Values of the AIC.

ΔAIC:

Network	Geometric D.	Poisson D.	Zeta non-free p	Zeta	Right-Truncated Zeta	Altamann D.	MOEZipf	Negative Binomial	Discrete Weibull
Youtube	581583.7338	11558597.1877	58366.2582	20322.1168	20032.0998	13402.6611	0		1939.5714

Table 4: Values of the Delta AIC.

BIC values:

Network	Geometric D.	Poisson D.	Zeta non-free p	Zeta	Right-Truncated Zeta	Altamann D.	MOEZipf	Negative Binomial	Discrete Weibull
Youtube	2256486.4672	13233499.9211	1733258.1575	1695224.8502	1694945.6673	1688316.2286	1674913.5675	-	1676853.1389

Table 5: Values of the BIC.

ΔBIC:

Network	Geometric D.	Poisson D.	Zeta non-free p	Zeta	Right-Truncated Zeta	Altamann D.	MOEZipf	Negative Binomial	Discrete Weibull
Youtube	581572.8997	11558586.3536	58344.59	20311.2827	20032.0998	13402.6611	0		1939.5714

Table 6: Values of the Delta BIC.

Estimated parameters:

Network	q	lambda	gamma_1	gamma_2	K_max	gamma_3	delta	gamma_4	delta_2	gammaNB	pNB	v	p
Youtube	0.1254	7.9688	1.7297	1.7272	28576	1.64	0.0036	2.089	2.4101	-	-	0.1424	0.0044

Table 7: Values of the estimated parameters.

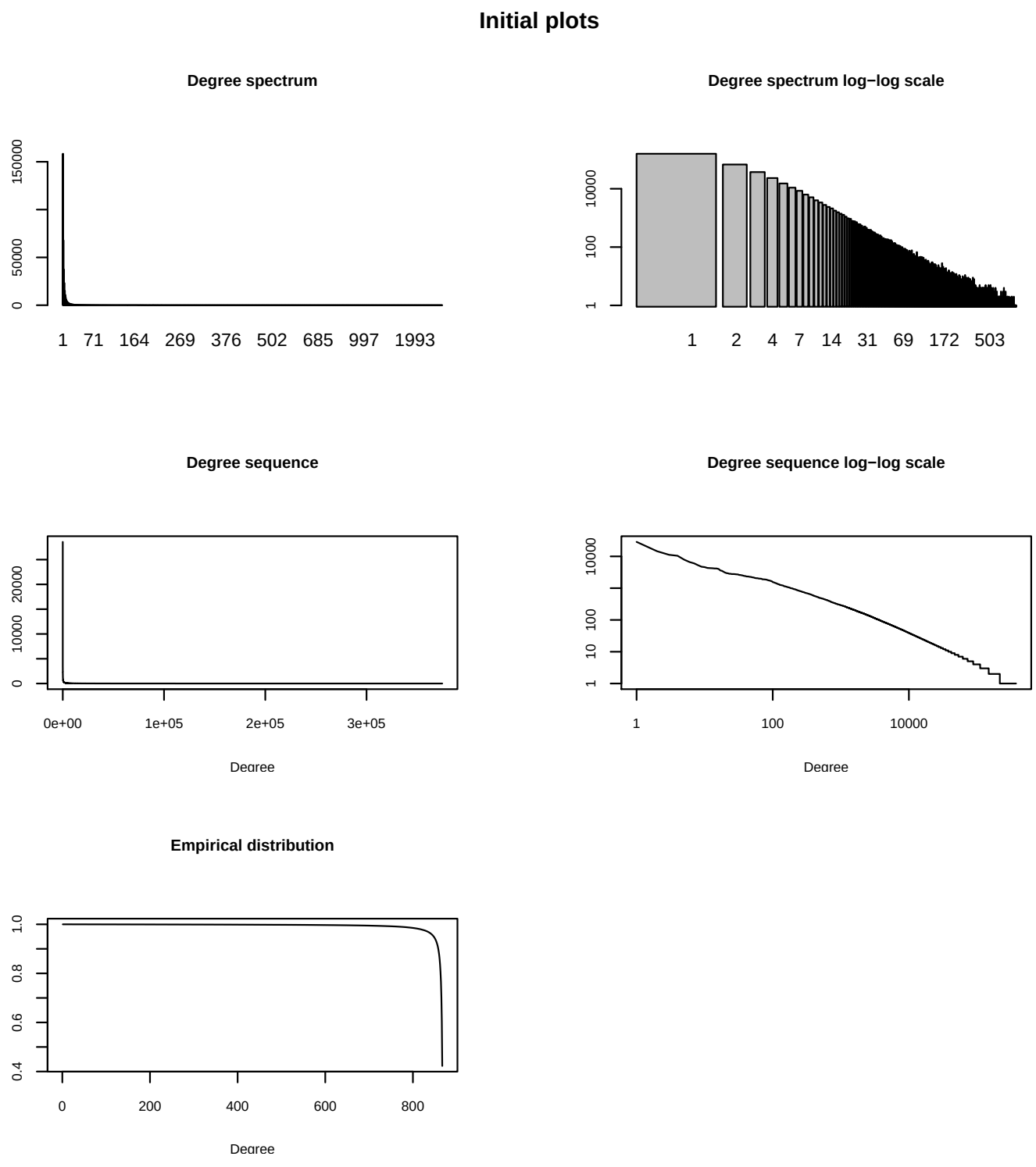

Figure 1: Initial plots.

Fitted model plots:

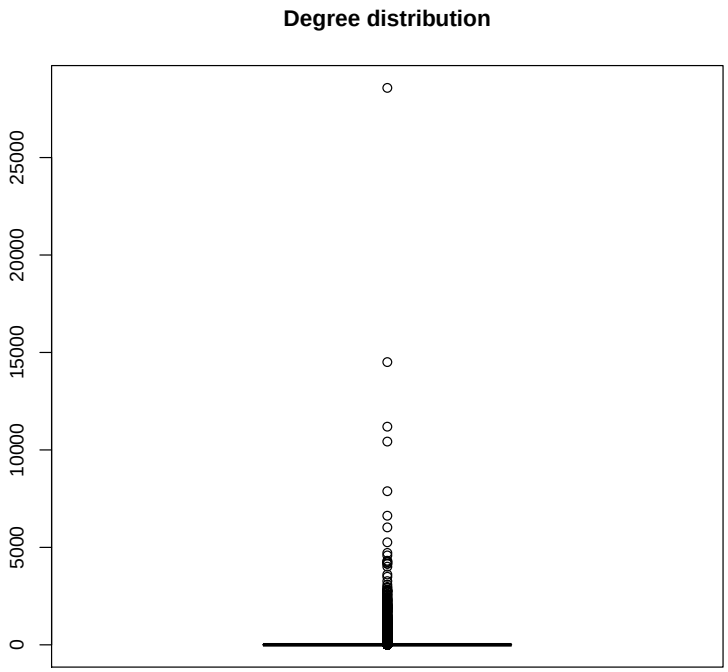

Figure 2: Best Model Fitting the data.

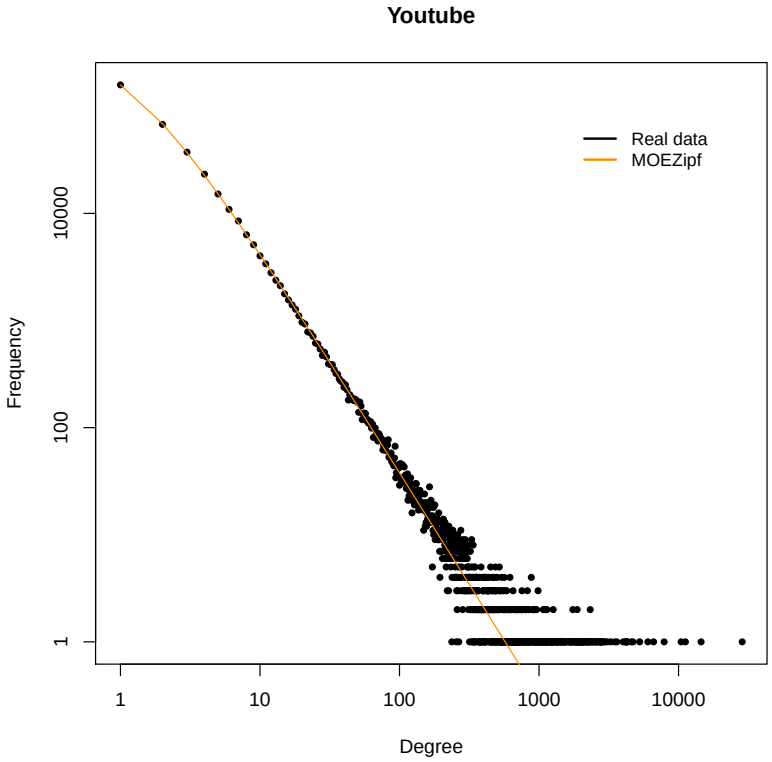

Figure 3: Best Model Fitting the data.

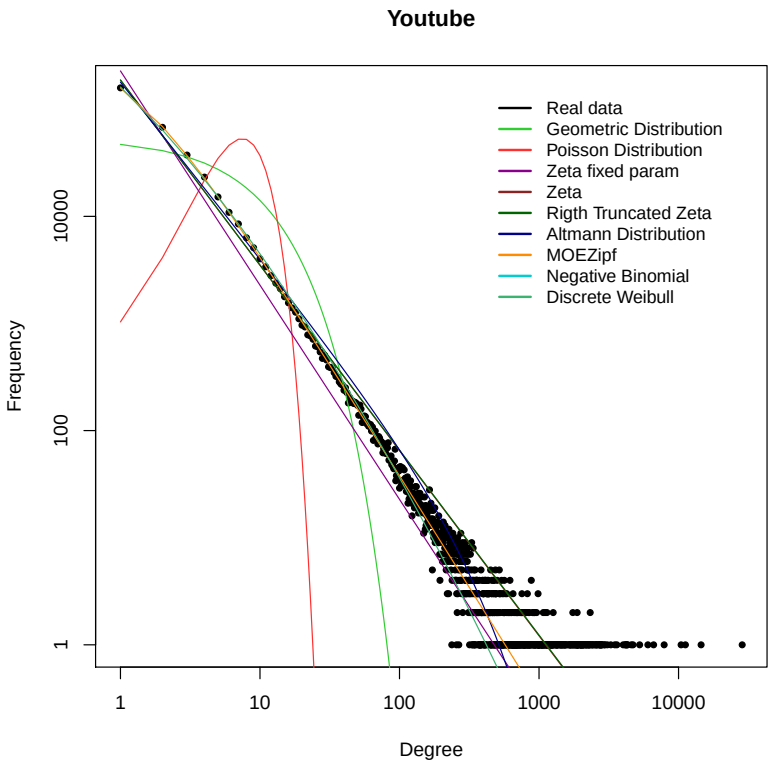

Figure 4: Best Model Fitting the data.