Graph properties:

Nodes	Edges	Global Clustering Coeff.	Average Cluster Coeff.	Assort. Degree	Assort. Nominal
1965206	5533213	0.0604	0.0464	0.1260	-0.0000

Table 1: Summary of the principal graph properties.

Degree properties:

Min	Max	Mean	Median	Variance	Standard Deviation
1	12	2.8156	3.0000	0.9893	0.9946

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 Weibu
CA_Road_Net	7199661.7818	6579924.2299	9402159.8245	9158505.1894	8164930.8188	7199667.1203	5980930.3868	-	5461528.9848

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
CA_Road_Net	1738132.797	1118395.2451	3940630.8397	3696976.2046	2703401.834	1738138.1355	519401.402		0

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
CA_Road_Net	7199674.2729	6579936.721	9402159.8245	9158517.6805	8164955.801	7199692.1025	5980955.369	-	5461553.967

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
CA_Road_Net	1738120.3059	1118382.754	3940605.8575	3696963.7135	2703401.834	1738138.1355	519401.402		0

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
CA_Road_Net	0.3552	2.6082	1.7076	1.0803	12	0	0.4388	5.939	926.8525	-	-	3.8989	0.9934

Table 7: Values of the estimated parameters.

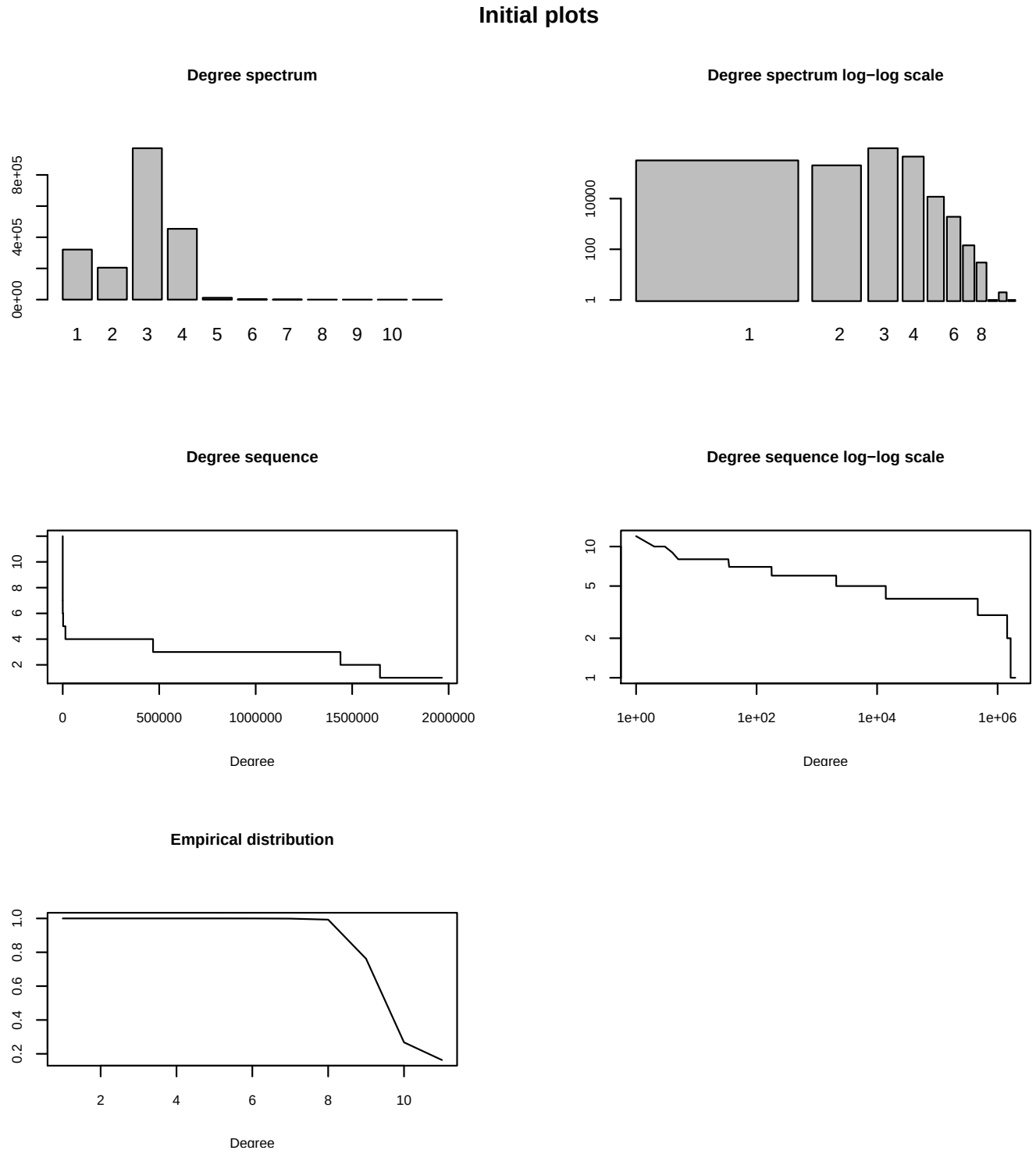

Figure 1: Initial plots.

Fitted model plots:

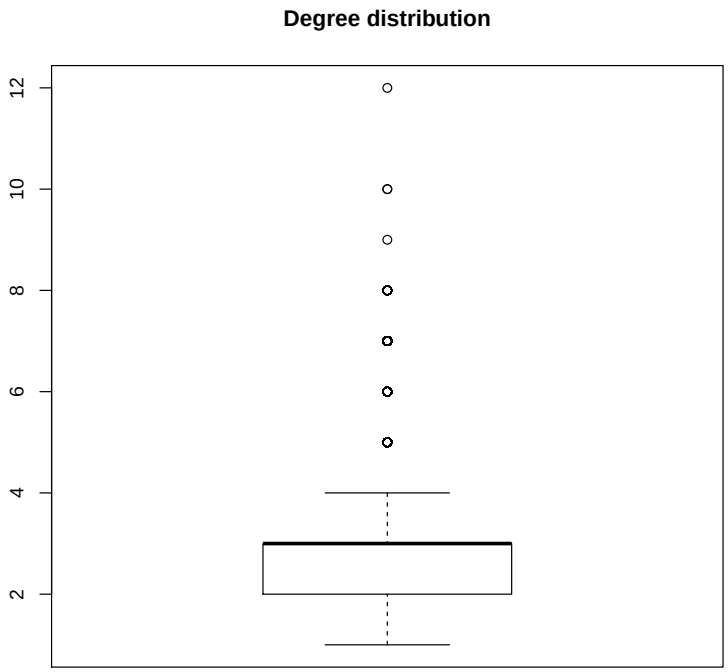

Figure 2: Best Model Fitting the data.

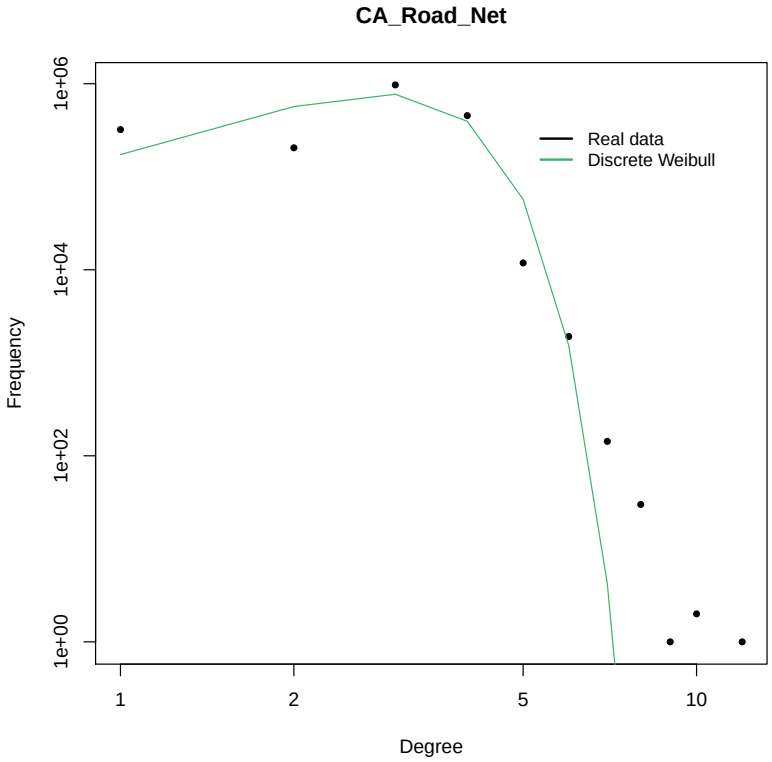

Figure 3: Best Model Fitting the data.

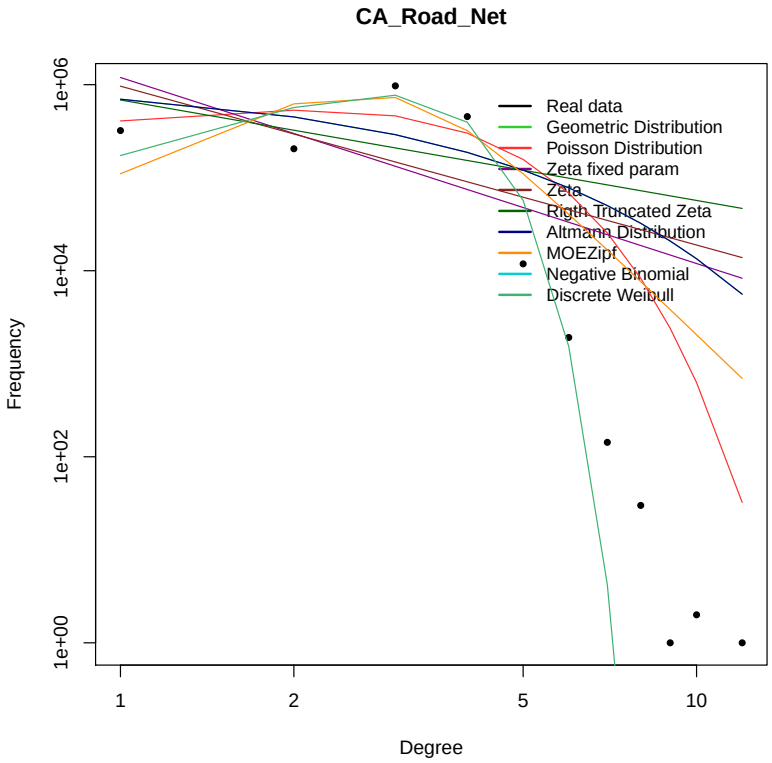

Figure 4: Best Model Fitting the data.