

*Online appendix for*  
**Dynamics of the inner elite in dictatorships:  
Evidence from North Korea**

**Appendix Table 2. Summary statistics of the elite network, 2012-2015**

	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015*</b>	<b>Change (%) 2012-2014</b>
<i>Number of inspection visits</i>	56	117	108	22	92.9
<i>Total number of elites in sample</i>	88	88	88	88	-
<i>Number of elites tied to Kim Jong-un</i>	41	38	25	10	-39.0
<i>Average number of elites per visit</i>	5.7	3.8	3.4	3.2	-40.4
<i>Average number of visits per elite</i>	7.8	11.7	14.5	7.1	85.9
<i>Average number of visits per elite (percent of total)</i>	13.9	10.0	13.4	32.3	
<i>Average number of co-occurrences per elite</i>	12.0	10.4	3.8	0.7	-68.3
<i>Network density</i>	0.138	0.119	0.044	0.008	-68.1

\* Partial calendar year, January-June.

**Appendix Table 3. MLE parameter estimates for STERGM of North Korean elite, 2012-2015 using quarterly data (T = 14)**

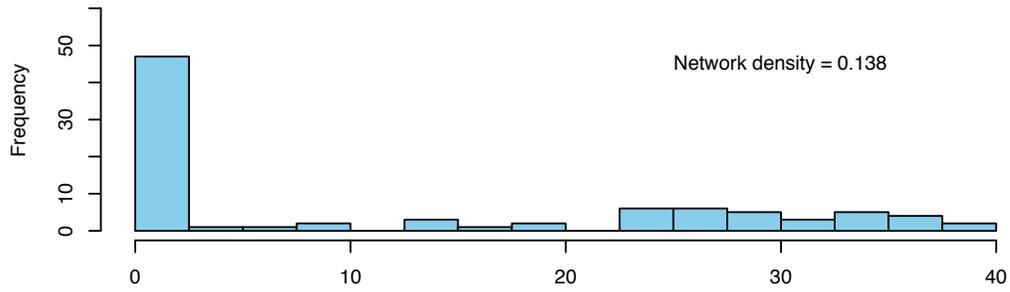
<i>Parameter</i>	<i>Pr(Tie formation)</i>		<i>Pr(Tie dissolution)</i>	
	Coef.	(SE)	Coef.	(SE)
Edges	-4.407	(0.045)***	-0.885	(0.066)***
Triangle	0.277	(0.008)***	0.183	(0.008)***
Concurrent			-1.071	(0.199)***

*Significance levels: 0.05\* , 0.01\*\* , 0.001\*\*\**

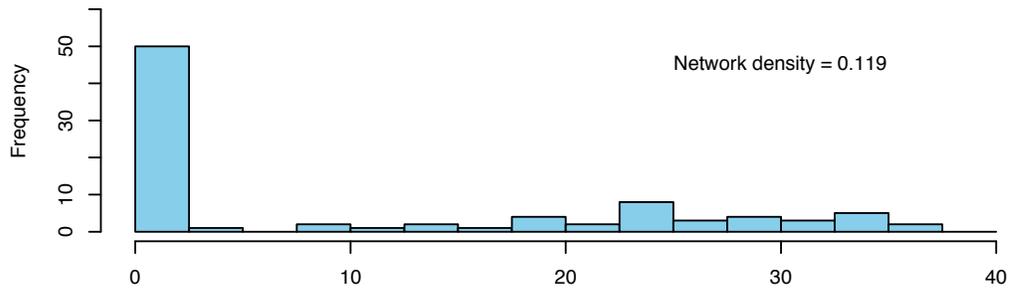


### Appendix Figure 3. Distribution of network ties of North Korean elites, 2012-2014

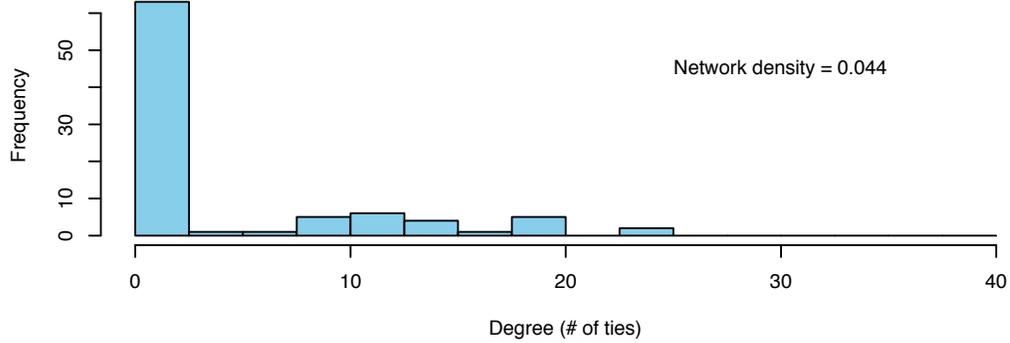
2012



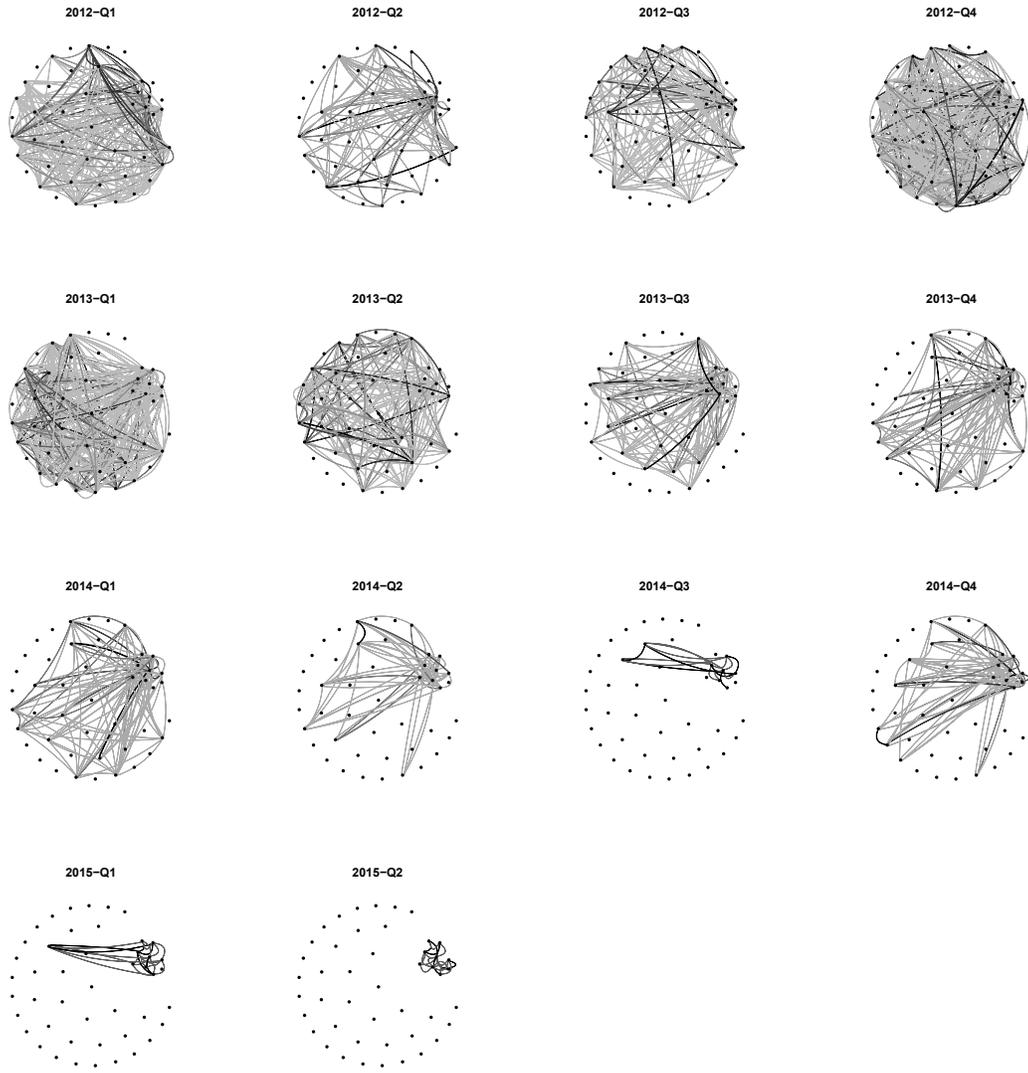
2013



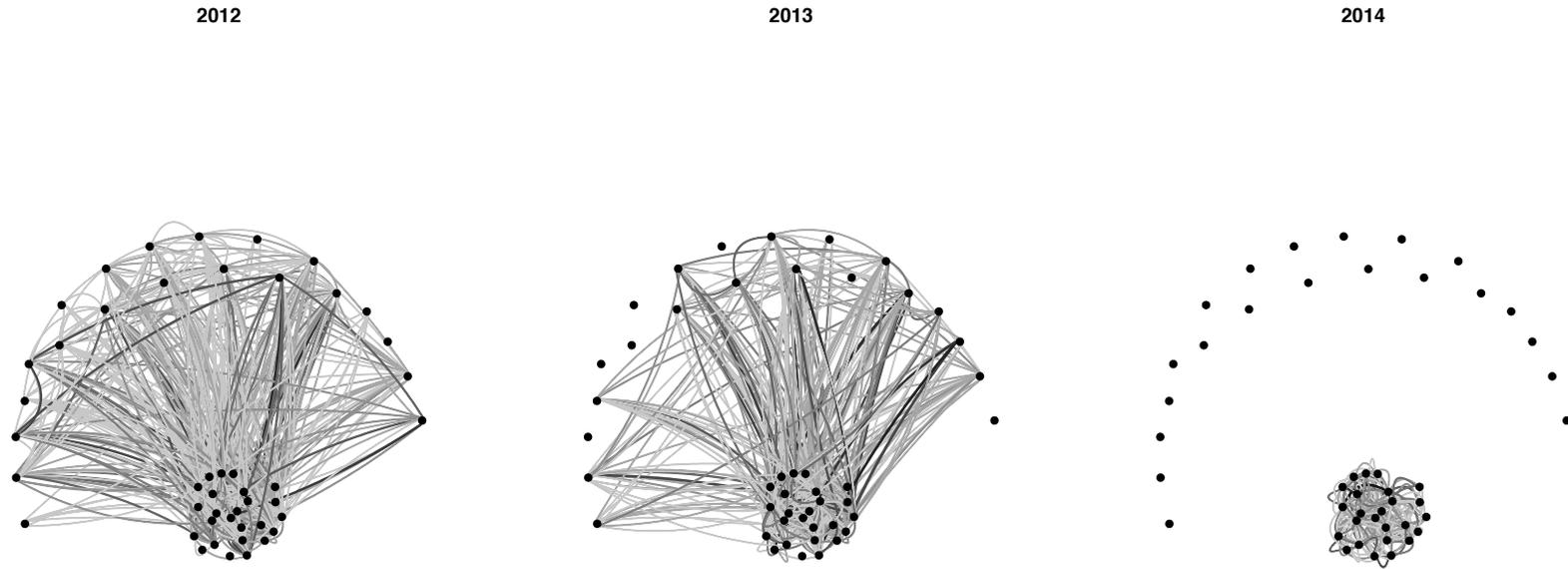
2014



**Appendix Figure 4. North Korean elite network, 2012-2015 by quarter**

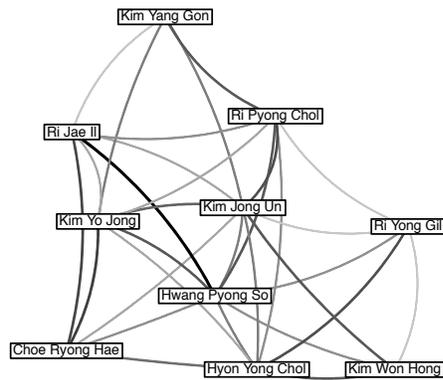


## Appendix Figure 5: North Korean elite co-occurrence network, 2012-2014



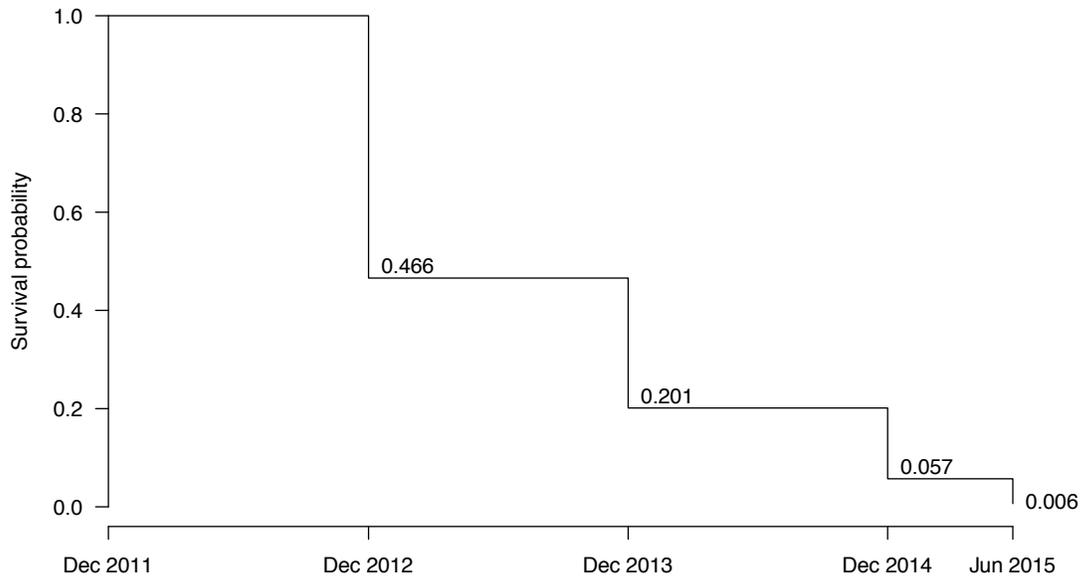
*Note: Figure produced with the statnet package in R using the “Kamadakawai” vertex placement algorithm fixed across networks based on the positioning in the 2014 network. Curved lines between points represent the existence of a tie (co-occurrence), with shading indicating intensity of ties (darker lines correspond to more frequent co-occurrences). Kim Jong-un is placed at the center of each network.*

## Appendix Figure 6: Labeled network, first half 2015

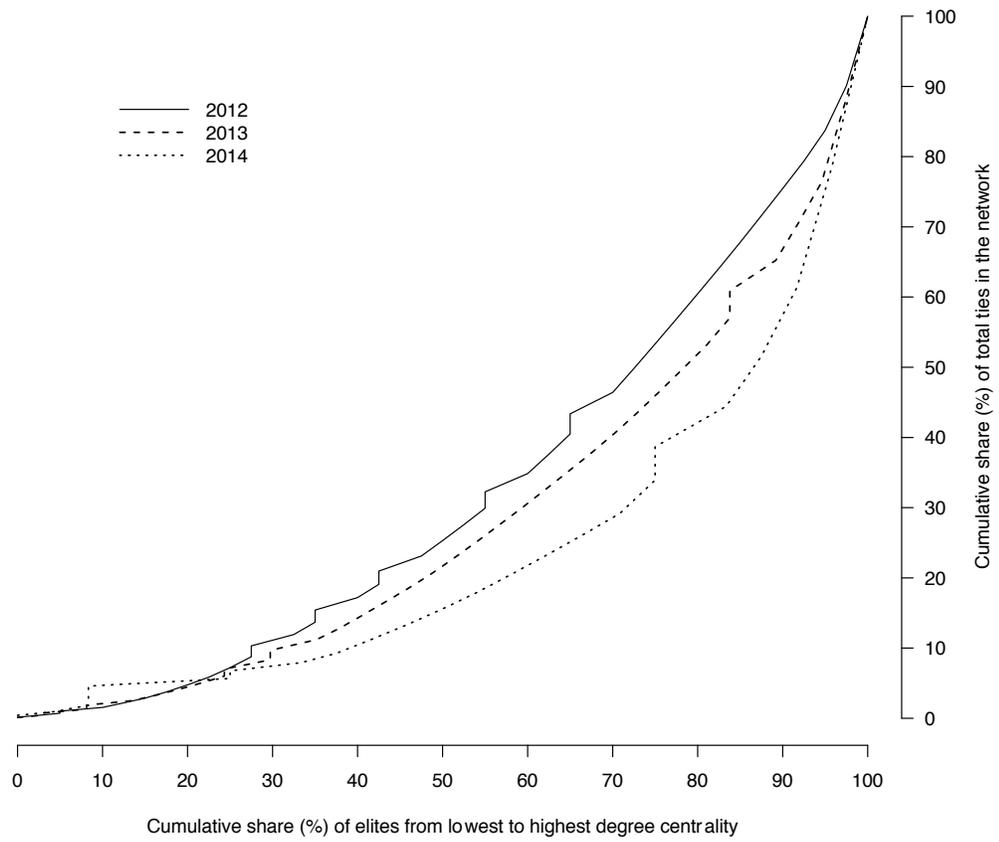


*Note: Figure produced with the statnet package in R using the “Kamadakawai” vertex placement algorithm. Isolates for the network are not shown. See notes from Figure 3 for further detail.*

**Appendix Figure 7. Duration of inclusion in winning coalition (Kaplan-Meier Survival)**



**Figure 8. Cumulative share of ties, comparison over time**



**Figure 9. Co-attendance per event per elite from 2012 to 2015**

