

# Regression Outputs

	<i>Dependent variable:</i>							
	homogamy							
	Base		Homophily_sex		Limited time		Decay	
	(Step-wise)	(Genetic)	(Step-wise)	(Genetic)	(Step-wise)	(Genetic)	(Step-wise)	(Genetic)
Constant	0.39** (0.18)	−0.91*** (0.14)	1,496.90*** (276.96)	−99.44*** (24.71)	432.32** (202.19)	2.58** (1.24)	49.91*** (9.54)	3.80*** (0.46)
$(d > 1)$	0.36*** (0.02)	0.37*** (0.02)	−0.02 (0.05)	−0.02 (0.06)	0.89*** (0.18)	0.73*** (0.22)	0.01 (0.04)	−0.06 (0.07)
$d$	−0.002 (0.01)	−0.01 (0.01)	−0.09* (0.05)	−0.01 (0.02)	0.28*** (0.10)	0.30*** (0.10)	−0.005 (0.03)	−0.01 (0.05)
$d^2$	−0.004 (0.002)							−0.05 (0.05)
$d^3$	0.001** (0.0003)			−0.001 (0.002)			0.004*** (0.001)	0.02 (0.01)
$d^4$		0.0000*** (0.0000)		0.0002 (0.0003)		0.0000 (0.0000)	−0.0005** (0.0002)	−0.001 (0.001)
homophily	−6.06*** (1.05)	4.04*** (0.31)	−7,070*** (1,235.37)	307*** (72.19)	−1,980** (898.73)	−1.62 (1.97)	−264*** (48.85)	−6.59*** (1.04)
homophily <sup>2</sup>	24.29*** (2.49)		12,014.66*** (2,065.90)	−254.35*** (59.15)	3,393.51** (1,495.36)		523.53*** (92.47)	3.47*** (0.62)
homophily <sup>3</sup>	−31.15*** (2.56)	−6.68*** (0.49)	−9,053.55*** (1,532.39)		−2,575.23** (1,103.77)		−452.29*** (76.80)	
homophily <sup>4</sup>	13.51*** (0.95)	4.69*** (0.30)	2,554.37*** (425.47)	52.20*** (11.73)	731.41** (304.97)	0.75 (0.87)	144.70*** (23.65)	
density	−1.17*** (0.22)	−1.62*** (0.19)	−7.34 (6.05)	3.29 (3.00)	−0.82* (0.42)	−5.26** (2.27)	−0.71* (0.39)	−4.23** (1.75)
density <sup>2</sup>	1.29*** (0.43)		34.31** (16.38)					
density <sup>3</sup>	−2.38*** (0.60)		−58.90*** (21.36)	−3.63* (2.07)				98.57** (41.61)
density <sup>4</sup>	1.19*** (0.33)		33.60*** (10.24)	3.91** (1.77)		0.11 (0.23)		−276.54** (122.14)
clustering	0.46** (0.19)	1.40*** (0.19)	56.65*** (8.70)	−16.27*** (3.62)	−0.41 (0.34)	0.85 (0.67)	0.20* (0.12)	0.22* (0.12)
clustering <sup>2</sup>			−179.95*** (24.15)	8.33*** (2.57)				
clustering <sup>3</sup>			242.25*** (30.66)					
clustering <sup>4</sup>		−0.14*** (0.05)	−119.89*** (14.26)	−5.99*** (1.44)		−0.50 (0.49)		
diameter			0.00** (0.00)					

diameter <sup>3</sup>				−0.00*** (0.00)				
diameter <sup>4</sup>		−0.00*** (0.00)						
s_p_median	−0.00*** (0.00)						−0.00*** (0.00)	
s_p_median <sup>2</sup>								−0.00*** (0.00)
s_p_median <sup>3</sup>				−0.00 (0.00)				
s_p_median <sup>4</sup>		−0.00*** (0.00)				0.00 (0.00)		
connected1	0.11*** (0.04)				−0.60** (0.26)	−0.84*** (0.31)	−0.04 (0.04)	−0.11*** (0.03)
n	−0.0004** (0.0001)	−0.0003** (0.0002)	0.002 (0.001)	−0.0003 (0.0004)	−0.001*** (0.0001)	−0.001*** (0.0001)	−0.004*** (0.001)	0.001*** (0.0004)
n <sup>2</sup>			−0.0000* (0.0000)				0.0001*** (0.0000)	
n <sup>3</sup>			0.0000* (0.0000)	−0.00 (0.0000)			−0.0000*** (0.0000)	−0.00 (0.00)
n <sup>4</sup>		−0.00 (0.00)	−0.00 (0.00)	0.00 (0.00)			0.00*** (0.00)	
μ	−0.51*** (0.05)	1.28*** (0.01)	−0.03** (0.02)	−0.02 (0.02)	−0.92*** (0.22)	1.06*** (0.16)	−0.06 (0.19)	0.78*** (0.06)
μ <sup>2</sup>	6.66*** (0.19)	−1.28*** (0.01)			6.62*** (0.65)	−1.36*** (0.11)	3.44*** (0.51)	−0.84*** (0.08)
μ <sup>3</sup>	−12.35*** (0.28)				−12.07*** (0.97)		−6.49*** (0.76)	
μ <sup>4</sup>	6.21*** (0.14)			−0.01 (0.02)	6.06*** (0.48)	0.12* (0.06)	3.16*** (0.38)	−0.03 (0.05)
λ	−0.52*** (0.06)	−0.58*** (0.06)		−1.35*** (0.50)	3.32*** (0.69)	0.13 (0.23)	−0.16 (0.40)	−1.63*** (0.14)
λ <sup>2</sup>					−1.94*** (0.24)		−2.64*** (0.73)	
λ <sup>3</sup>	−1.37*** (0.08)	−1.26*** (0.08)		0.02 (0.02)			3.42*** (1.06)	
λ <sup>4</sup>	1.41*** (0.06)	1.35*** (0.06)			1.20*** (0.13)		−1.37*** (0.52)	
homophily_sex			277.68*** (69.87)	−0.97 (2.78)				
homophily_sex <sup>2</sup>			−516.08*** (127.63)	2.44*** (0.74)				
homophily_sex <sup>3</sup>			420.22***					

				(103.26)				
homophily_sex <sup>4</sup>		−126.62*** (31.18)						
max_time				−0.08 (0.06)		−0.11*** (0.01)		
max_time <sup>2</sup>				−0.03*** (0.01)				
max_time <sup>3</sup>				0.01*** (0.002)		0.001*** (0.0002)		
max_time <sup>4</sup>				−0.0003*** (0.0001)		−0.0001*** (0.0000)		
κ						0.33*** (0.09)		0.15** (0.07)
κ <sup>2</sup>						−0.62*** (0.12)		−0.22*** (0.03)
κ <sup>3</sup>						0.37*** (0.09)		0.06*** (0.01)
κ <sup>4</sup>						−0.08*** (0.02)		
(d > 1) × d				0.05*** (0.02)		0.05*** (0.02)		0.05 (0.05)
(d > 1) × homophily	−0.54*** (0.02)	−0.50*** (0.03)			−1.04*** (0.19)	−0.99*** (0.20)		
(d > 1) × density	−0.21*** (0.03)	−0.22*** (0.03)	−0.15* (0.08)				0.71*** (0.23)	0.79*** (0.23)
(d > 1) × clustering	0.46*** (0.03)	0.49*** (0.03)	−0.33** (0.15)					
(d > 1) × diameter	0.00*** (0.00)							
(d > 1) × s_p_median	0.00*** (0.00)	0.00*** (0.00)					0.00*** (0.00)	
(d > 1) × connected1		−0.04*** (0.01)			0.11 (0.10)			
(d > 1) × n	0.0005*** (0.0000)	0.0005*** (0.0000)	−0.0003** (0.0001)	−0.0003** (0.0001)	0.001*** (0.0001)	0.001*** (0.0001)	−0.0003*** (0.0001)	−0.0003** (0.0001)
(d > 1) × μ			0.04** (0.02)	0.04* (0.02)				
(d > 1) × λ	−0.08*** (0.01)	−0.08*** (0.01)			−0.08*** (0.03)	−0.08*** (0.03)	−0.09*** (0.02)	−0.08*** (0.02)
(d > 1) × homophily_sex			0.27** (0.11)	0.11* (0.07)				
(d > 1) × κ							−0.04*** (0.01)	−0.04*** (0.01)

$d \times \text{homophily}$		$-0.01^{**}$ (0.01)	$0.09^*$ (0.05)		$-0.43^{***}$ (0.15)	$-0.46^{***}$ (0.15)	$-0.08^{**}$ (0.04)	
$d \times \text{density}$				$0.03$ (0.02)	$-0.08^{**}$ (0.04)	$-0.08^*$ (0.04)	$0.25^{***}$ (0.09)	$0.09$ (0.07)
$d \times \text{clustering}$	$0.01^{***}$ (0.003)				$0.31^{***}$ (0.08)	$0.32^{***}$ (0.08)		
$d \times \text{diameter}$	$-0.00^{***}$ (0.00)							
$d \times$ s_p_median	$0.00^{***}$ (0.00)	$0.00^{***}$ (0.00)		$0.00$ (0.00)			$0.00^{***}$ (0.00)	
$d \times$ connected1		$0.01^{***}$ (0.002)						
$d \times n$	$0.0000^{***}$ (0.0000)	$0.0000^{***}$ (0.0000)	$0.0001^*$ (0.0000)	$0.0001^*$ (0.0000)			$0.0001^{***}$ (0.0000)	$0.0001^{***}$ (0.0000)
$d \times \lambda$	$-0.01^{**}$ (0.002)	$-0.01^{**}$ (0.002)			$0.02^{***}$ (0.01)	$0.02^{***}$ (0.01)	$-0.03^{***}$ (0.01)	$-0.03^{***}$ (0.01)
$d \times \mu$							$-0.01^{**}$ (0.004)	$-0.01^{**}$ (0.004)
$d \times \text{max\_time}$					$-0.01^{***}$ (0.001)	$-0.01^{***}$ (0.001)		
$d \times \kappa$							$-0.01^{***}$ (0.003)	$-0.01^{***}$ (0.003)
homophily $\times$ density	$1.16^{***}$ (0.19)	$1.91^{***}$ (0.19)	$-6.16^{**}$ (2.64)	$-3.95$ (3.15)		$4.18$ (2.84)		$2.37$ (2.13)
homophily $\times$ clustering	$-1.27^{***}$ (0.19)	$-1.81^{***}$ (0.19)		$10.08^{***}$ (2.99)				
homophily $\times$ diameter	$0.00^{***}$ (0.00)		$-0.00^{***}$ (0.00)					
homophily $\times$ s_p_median		$0.00$ (0.00)						$0.00^{***}$ (0.00)
homophily $\times$ connected1		$-0.22^{***}$ (0.04)						
homophily $\times n$	$-0.0002$ (0.0001)	$-0.0002$ (0.0001)						
homophily $\times \mu$							$-0.31$ (0.21)	
homophily $\times \lambda$	$0.52^{***}$ (0.05)	$0.53^{***}$ (0.05)		$1.42^{***}$ (0.53)	$-2.45^{***}$ (0.56)		$1.00^{***}$ (0.28)	$1.92^{***}$ (0.15)
homophily $\times$ homophily_sex				$-6.40^{**}$ (2.65)				
homophily $\times$ max_time					$0.14^*$ (0.08)			
homophily $\times \kappa$							$0.35^{***}$ (0.10)	$0.35^{***}$ (0.10)

density × clustering	0.56*** (0.13)	0.41*** (0.08)	7.89*** (1.41)		−0.54 (1.70)		
density × diameter	−0.00*** (0.00)	−0.00*** (0.00)					
density × $\lambda$	0.49*** (0.06)	0.52*** (0.06)		−0.48** (0.19)	1.41*** (0.16)		
density × n	0.002*** (0.0003)	0.002*** (0.0003)				0.01*** (0.002)	0.01** (0.002)
density × homophily_sex			1.60* (0.84)	2.12** (0.82)			
density × s_p_median		0.00 (0.00)					
density × $\mu$						1.28*** (0.44)	0.71*** (0.24)
density × connected1					0.77** (0.39)	0.86** (0.44)	
density × max_time					0.11*** (0.02)	0.12*** (0.01)	
density × $\kappa$						−1.01*** (0.20)	−1.02*** (0.20)
clustering × diameter	0.00*** (0.00)		0.00*** (0.00)	0.00*** (0.00)			
clustering × s_p_median	0.00*** (0.00)	0.00*** (0.00)					
clustering × connected1		−0.31*** (0.05)				0.50*** (0.16)	0.43*** (0.15)
clustering × n	−0.001*** (0.0003)	−0.002*** (0.0003)	0.002** (0.001)	0.002*** (0.001)		−0.01** (0.003)	−0.01*** (0.003)
clustering × $\mu$		0.01 (0.01)					
clustering × $\lambda$	−0.52*** (0.06)	−0.55*** (0.06)			−1.79*** (0.41)	−0.36* (0.18)	−0.48*** (0.18)
clustering × homophily_sex			−2.72** (1.33)	1.62 (1.40)			
clustering × max_time					−0.09* (0.05)		
diameter × s_p_median							
diameter × connected1	−0.01*** (0.001)	−0.005*** (0.001)				−0.01** (0.004)	
diameter × n	−0.00*** (0.00)	−0.00*** (0.00)					
diameter × $\mu$			0.00*				−0.00

			(0.00)					(0.00)
diameter $\times \lambda$	0.00*** (0.00)	0.00*** (0.00)						−0.00** (0.00)
diameter $\times$ homophily_sex				0.00** (0.00)				
diameter $\times \kappa$								−0.00 (0.00)
s_p_median $\times$ connected1	0.01*** (0.003)	0.01*** (0.003)						
s_p_median $\times$ n	0.00** (0.00)	0.00 (0.00)					0.00*** (0.00)	0.00*** (0.00)
s_p_median $\times$ $\lambda$	0.00*** (0.00)	0.00*** (0.00)		0.00 (0.00)			0.00 (0.00)	
s_p_median $\times$ homophily_sex				0.00 (0.00)				
s_p_median $\times$ $\kappa$							−0.00*** (0.00)	−0.00*** (0.00)
connected1 $\times$ n							−0.0004* (0.0003)	
connected1 $\times$ $\mu$					0.27* (0.15)	0.15 (0.14)		
connected1 $\times$ $\lambda$					−0.21 (0.13)		0.04** (0.02)	
connected1 $\times \kappa$								
n $\times \mu$					0.0003** (0.0001)	0.0003** (0.0001)	0.0004*** (0.0001)	
n $\times \lambda$	−0.0003*** (0.0000)	−0.0003*** (0.0000)			−0.0005*** (0.0001)		−0.0004*** (0.0001)	−0.0005*** (0.0001)
n $\times$ homophily_sex			−0.001* (0.001)	−0.001* (0.001)				
$\lambda \times \mu$					0.04 (0.03)	0.04* (0.03)		
$\lambda \times$ homophily_sex				0.24* (0.13)				
$\kappa \times$ n							−0.0001** (0.0001)	−0.0001* (0.0001)
$\kappa \times \lambda$							−0.09*** (0.01)	−0.09*** (0.01)
Observations	96,526	96,526	9,666	9,666	9,488	9,488	9,689	9,689
R <sup>2</sup>	0.47	0.46	0.35	0.34	0.44	0.43	0.43	0.42
Adjusted R <sup>2</sup>	0.47	0.46	0.35	0.34	0.44	0.43	0.43	0.42

Note:

\*p<0.1; \*\*p<0.05; \*\*\*p<0.01