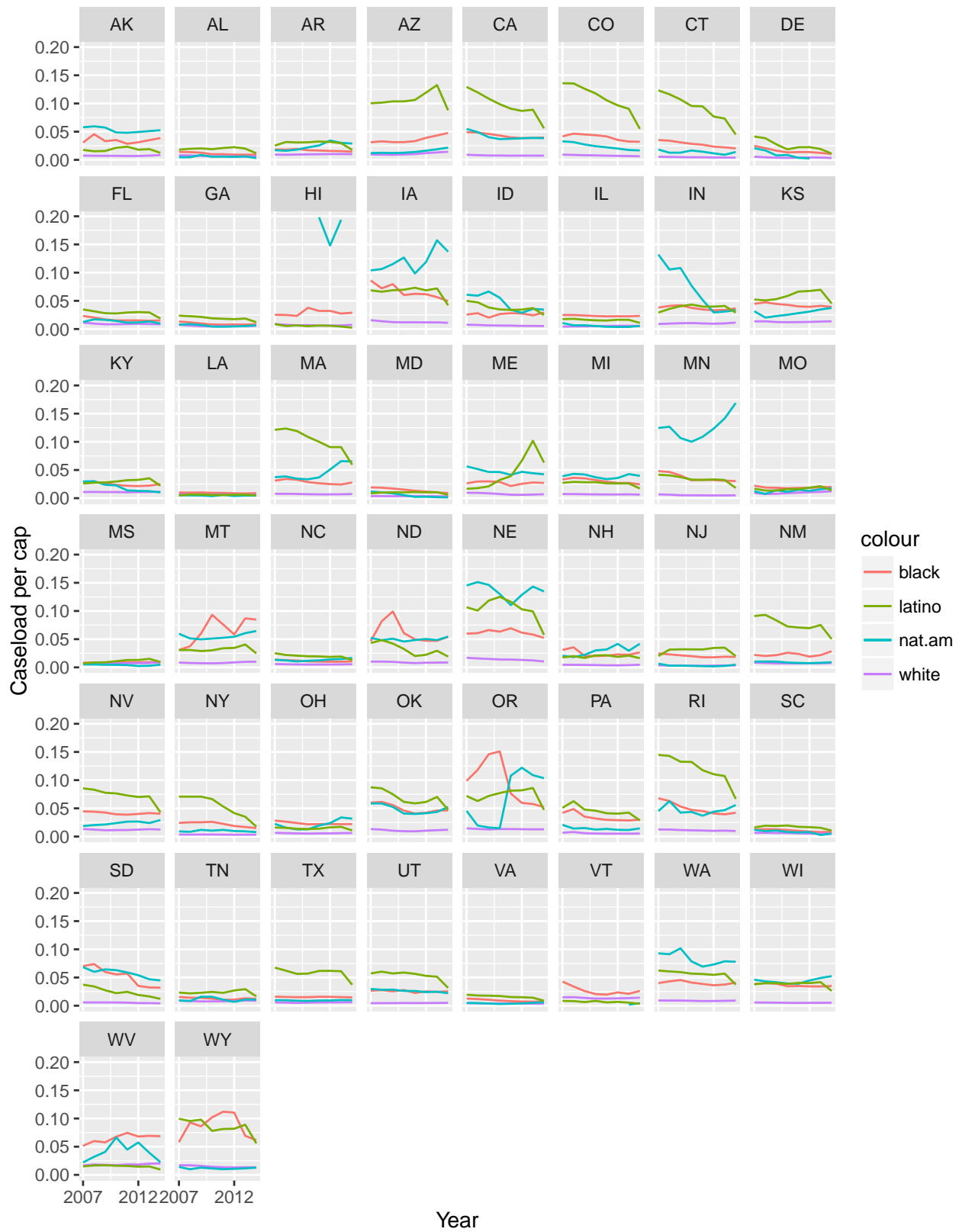# cw-race-models-eda

Frank Edwards
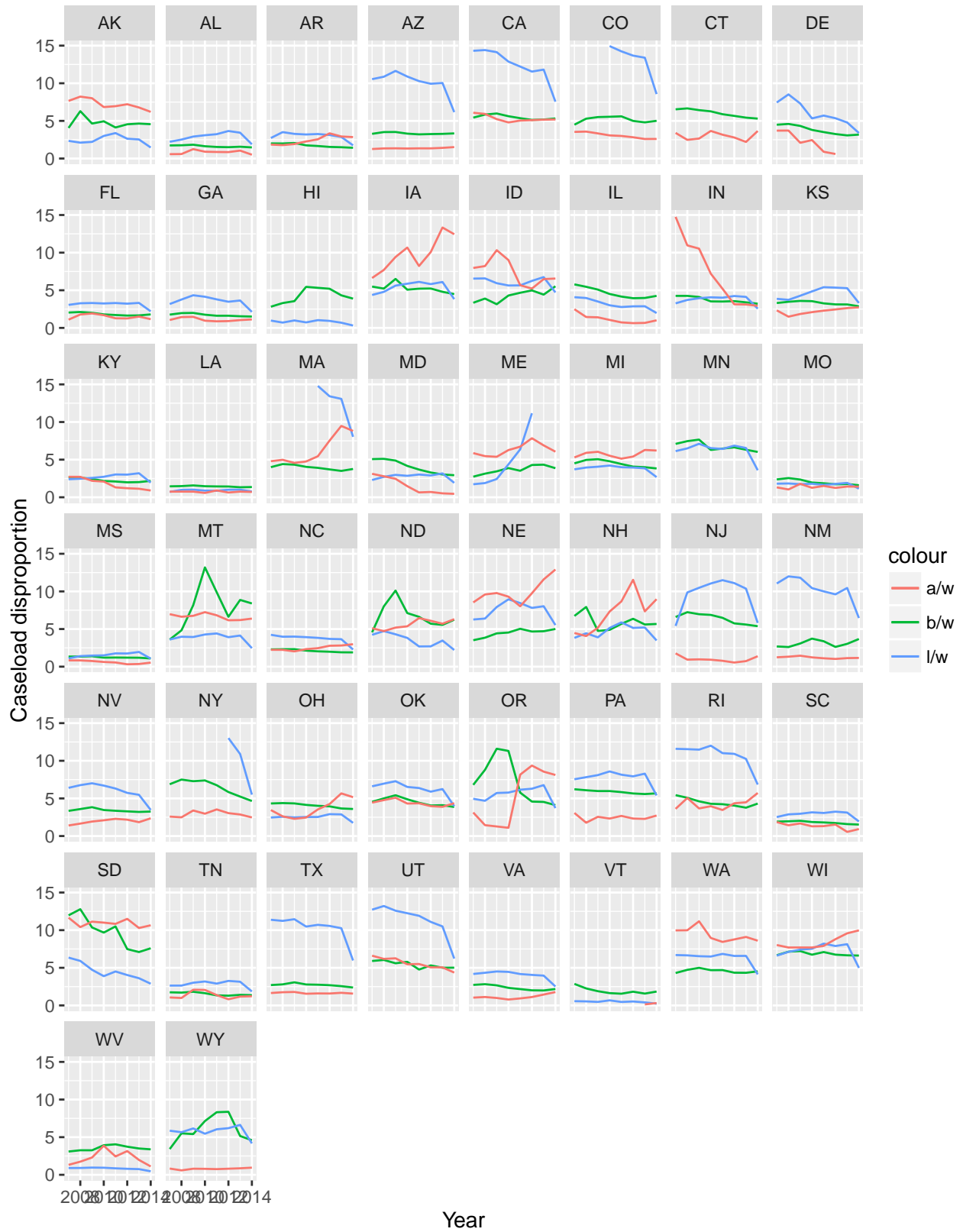
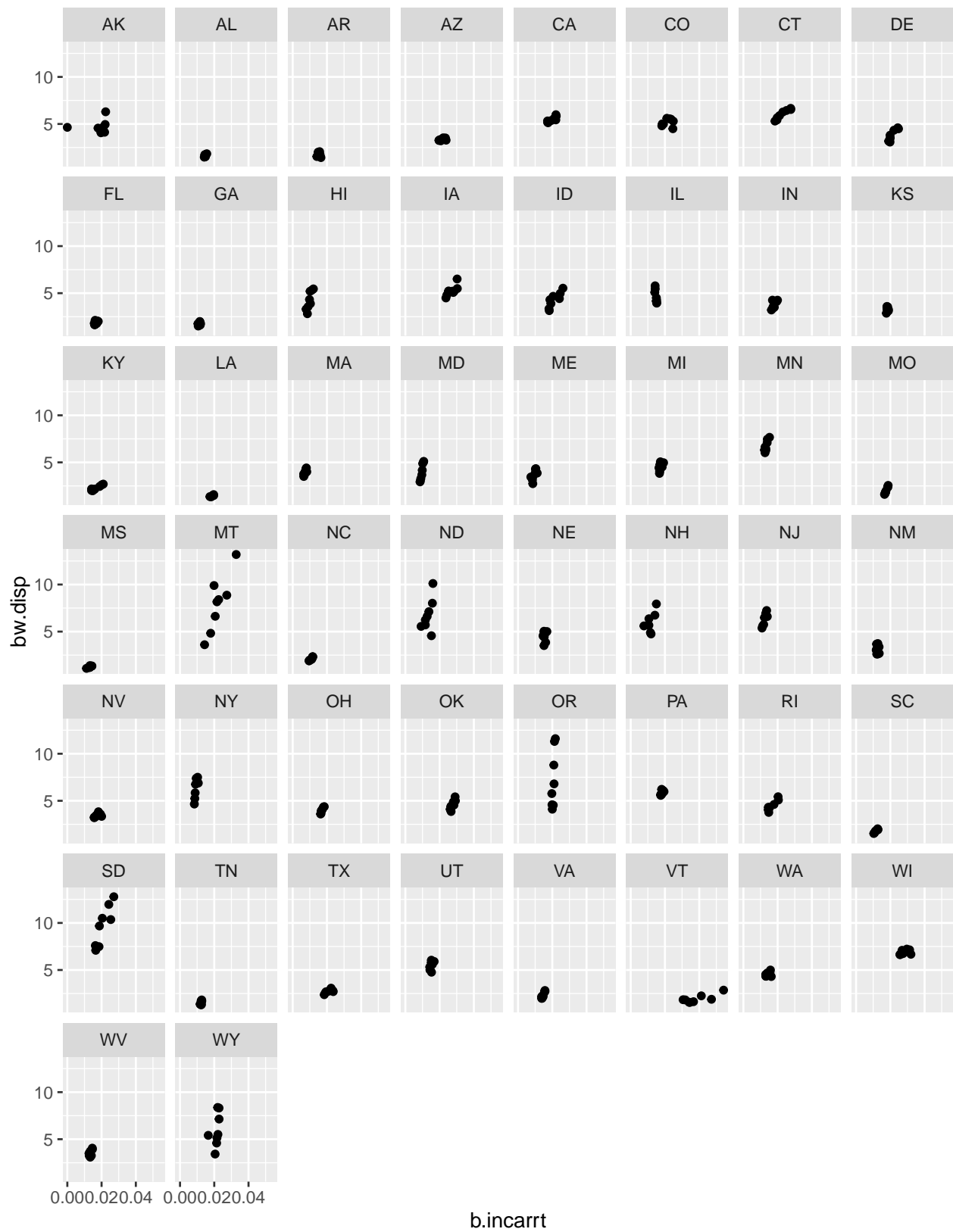*June 1, 2016*

Theoretical model

Foster care caseloads per capita by race and state

Blk, Lat., Am. Ind./White caseload disproportion

	Model 1	Model 2
(Intercept)	1.25***	1.24***
	(0.06)	(0.07)
scale(chpovrt)	−0.08*	−0.06
	(0.03)	(0.03)
scale(incarrt)	0.00	−0.18***
	(0.02)	(0.03)
scale(bdisp.chpov)	0.04*	0.04**
	(0.02)	(0.01)
scale(pop.imm.1910)	0.12*	0.22***
	(0.05)	(0.06)
scale(pop.blk.1910)	−0.19*	−0.03
	(0.08)	(0.10)
scale(pctblk)	−0.03	−0.04
	(0.08)	(0.09)
bs.trueTRUE	0.26**	0.21*
	(0.09)	(0.11)
year.c	−0.01*	−0.00
	(0.01)	(0.01)
scale(b.incarrt)		0.27***
		(0.02)
AIC	-287.04	-374.12
BIC	-235.41	-318.52
Log Likelihood	156.52	201.06
Num. obs.	392	392
Num. groups: stname	49	49
Var: stname (Intercept)	0.10	0.18
Var: stname year.c	0.00	0.00
Cov: stname (Intercept) year.c	-0.01	-0.01
Var: Residual	0.01	0.01

$^{***}p < 0.001$, $^{**}p < 0.01$, $^{*}p < 0.05$

Table 1: Outcome: log(B/W FC caseload per cap), state intercepts, state|year slopes

	Model 1
(Intercept)	-3.61^{***}
	(0.06)
scale(chpovrt)	-0.02
	(0.04)
scale(incarrt)	0.02
	(0.03)
scale(bdisp.chpov)	-0.00
	(0.02)
scale(pop.imm.1910)	-0.00
	(0.06)
scale(pop.blk.1910)	-0.08
	(0.10)
scale(pctblk)	-0.39^{***}
	(0.09)
bs.trueTRUE	0.27^{*}
	(0.10)
year.c	-0.03^{***}
	(0.01)
AIC	5725.29
BIC	5768.97
Log Likelihood	-2851.64
Num. obs.	392
Num. groups: obs	392
Num. groups: stname	49
Var: obs (Intercept)	0.02
Var: stname (Intercept)	0.09

$^{***}p < 0.001$, $^{**}p < 0.01$, $^{*}p < 0.05$

Table 2: Outcome: Black FC caseload (count), state intercepts, state|year slopes