



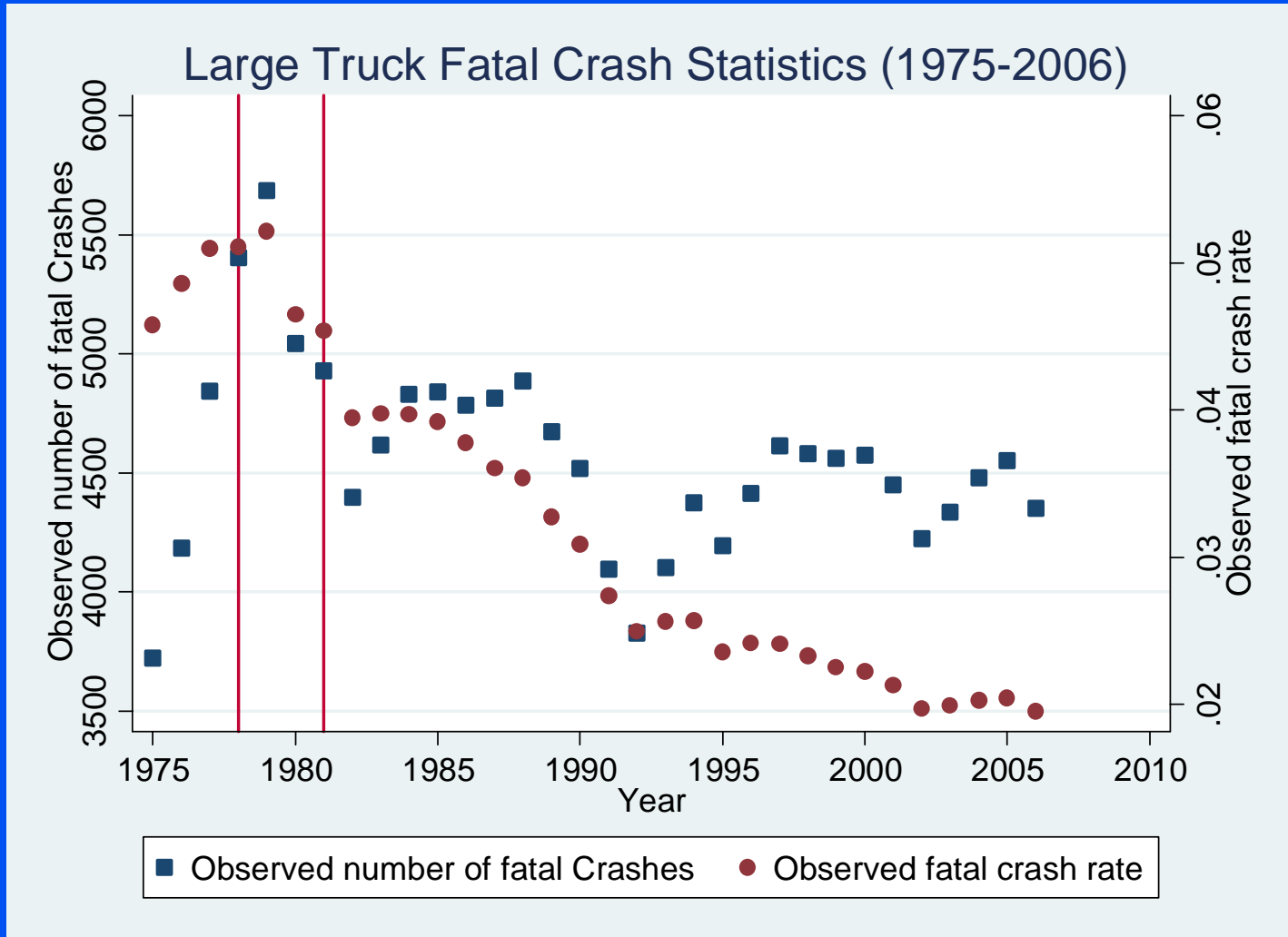
Comments on Deregulation and Safety

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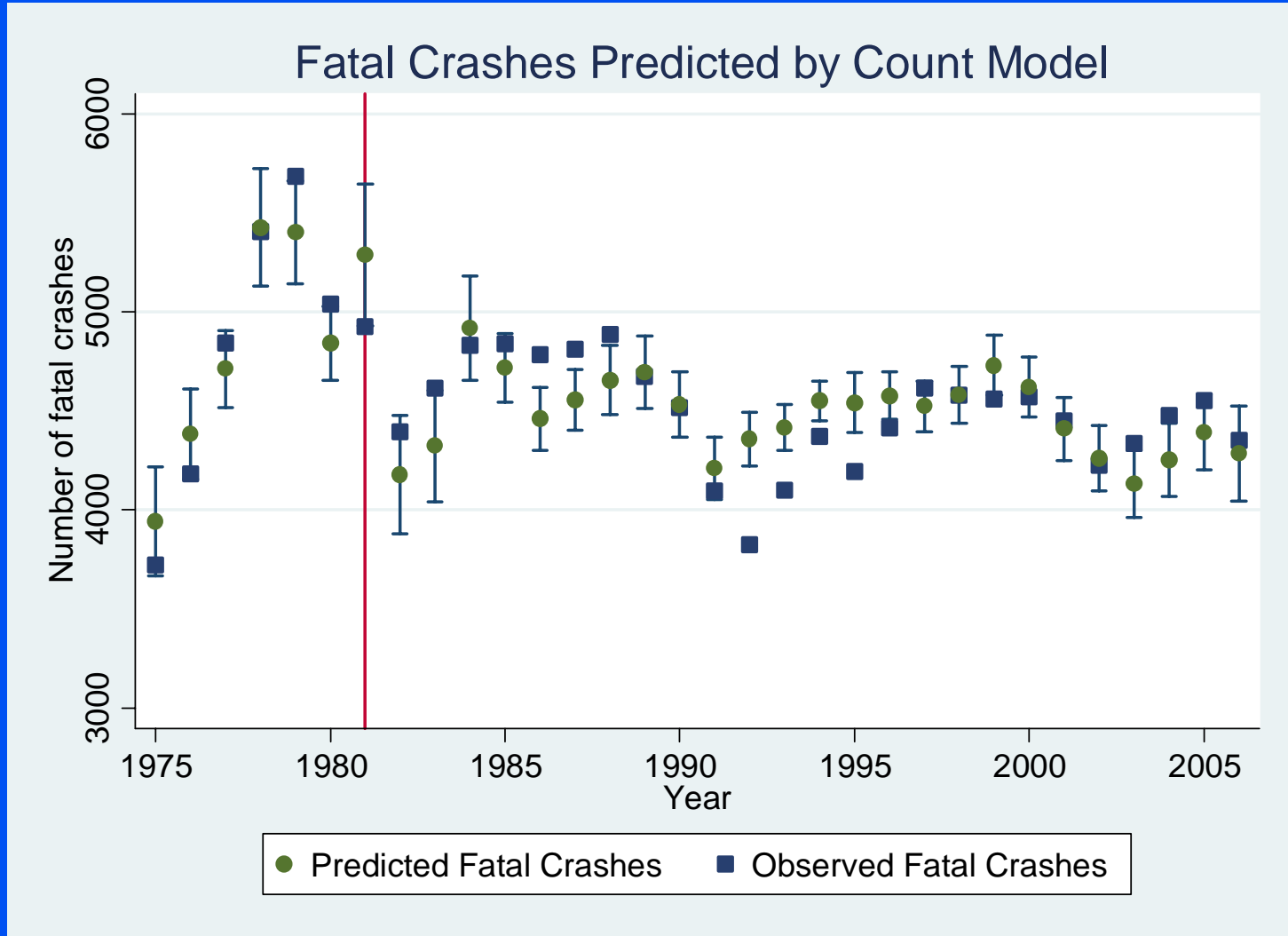


Truck Fatal Crash Data





Fatal Crash Model





Fatal Crash Model

$$\lambda_i = \exp (X_i \beta)$$

Predictor	Coefficient	S.E.
ln(Truck VMT)	0.755*	0.321
Deregulation	-0.074	0.043
Unemployment rate	-0.032**	0.01
ln(real GDP)	0.132	0.17
GDP growth rate	0.026***	0.005
ln(goods transported by air cargo)	-0.504***	0.093
Constant	3.082	2.081

* p<0.05, ** p<0.01, *** p<0.001



Crash Count Models

Y = Fatal crash count

Model 1

		Coefficient	S.E.
Non truck-involved fatal crashes		NA	
ln(Truck VMT)		0.755*	0.321
Deregulation		-0.074	0.043
Unemploy rate		-0.032**	0.01
ln(real GDP)		0.132	0.17
GDP growth rate		0.026***	0.005
ln(goods transported by air cargo)		-0.504***	0.093
Constant		3.082	2.081
Alpha		0.002077	
Sample size		32	
Log-likelihood		-217.709	
AIC		451.418	

* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$



Comments

- Crude
- Aggregate
- Limited sample size
- Modeling should reflect deregulation felt at level of firm