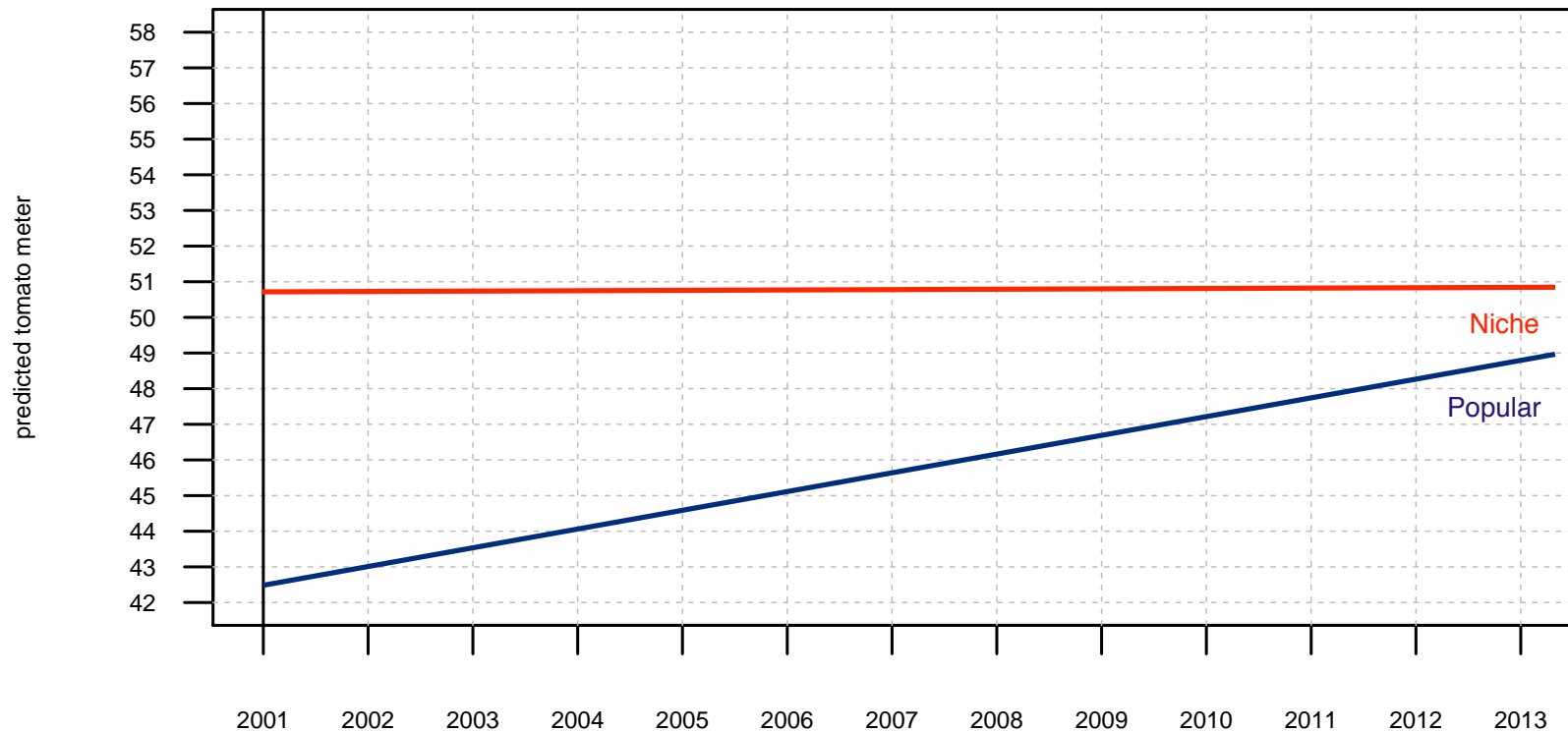


Handout 15: Plot two lines showing movie ratings over time for popular and niche movies

```
movies$popular <- movies$Genre=="Action" | movies$Genre=="Animation" |  
  movies$Genre=="Comedy" | movies$Genre=="Family" | movies$Genre=="SciFi/Fantasy"  
round(summary(lm(movies$TomatoMeter~movies$popular*I(movies$Year-2001)))$coef,3)[,1:2]
```

##	Estimate	Std. Error	
## (Intercept)	50.815	1.659	niche = 50.815+0.003*year
## movies\$popularTRUE	-8.246	2.099	popular = (50.815-8.246)+(.003+.519)*year
## I(movies\$Year - 2001)	0.003	0.225	=42.569+0.522*year
## movies\$popularTRUE:I(movies\$Year - 2001)	0.519	0.288	



Name (Print and Sign): _____