```
library(nlme)

## Warning:  package 'nlme' was built under R version 3.2.4

library(stargazer)

data(ests_out)
tmp <- filter(ests_out, seg == '303') %>%
  select(z_cmax, long, lat)

modnl <- gls(z_cmax ~ 1, data = tmp)
mod1 <- gls(z_cmax ~ 1, correlation = corSpher(form = ~ long + lat, nugget = TRUE),
  data = tmp)
mod2 <- gls(z_cmax ~ 1, correlation = corLin(form = ~ long + lat, nugget = TRUE),
  data = tmp)
mod3 <- gls(z_cmax ~ 1, correlation = corRatio(form = ~ long + lat, nugget = TRUE),
  data = tmp)
mod4 <- gls(z_cmax ~ 1, correlation = corGaus(form = ~ long + lat, nugget = TRUE),
  data = tmp)
mod5 <- gls(z_cmax ~ 1, correlation = corExp(form = ~ long + lat, nugget = TRUE),
  data = tmp)

# AIC(modnl, mod1, mod2, mod3, mod4, mod5)

stargazer(modnl, mod1, mod2, mod3, mod4, mod5)
```

Table 1:

| | *Dependent variable:* |
| | z_cmax | | | | | |
	(1)	(2)	(3)	(4)	(5)	(6)
Constant	2.382***	2.355***	2.271***	2.356***	2.364***	2.349***
	(0.070)	(0.136)	(0.506)	(0.219)	(0.144)	(0.177)
Observations	31	31	31	31	31	31
Log Likelihood	-16.082	-7.722	-9.699	-8.044	-7.326	-8.639
Akaike Inf. Crit.	36.165	23.445	27.399	24.088	22.652	25.279
Bayesian Inf. Crit.	38.967	29.050	33.003	29.693	28.256	30.883

Note: *p<0.1; **p<0.05; ***p<0.01