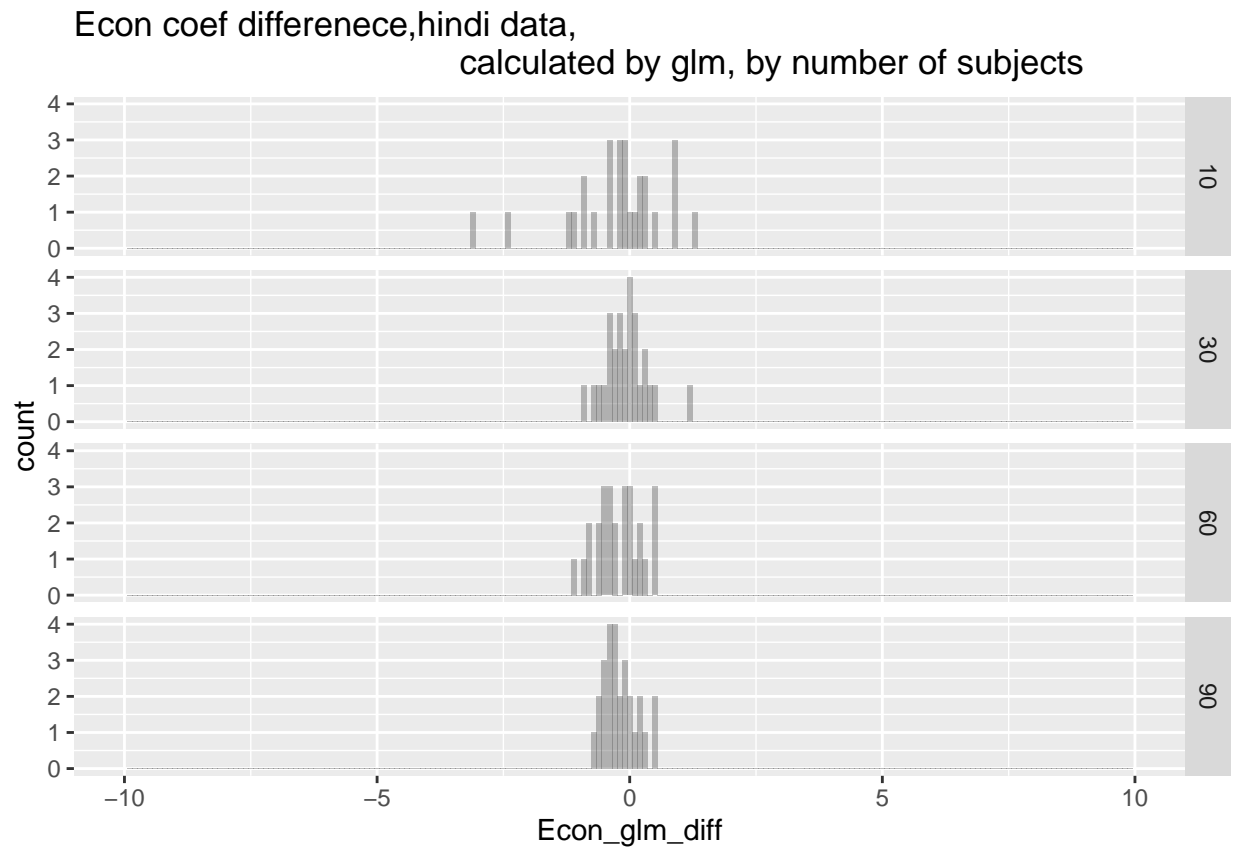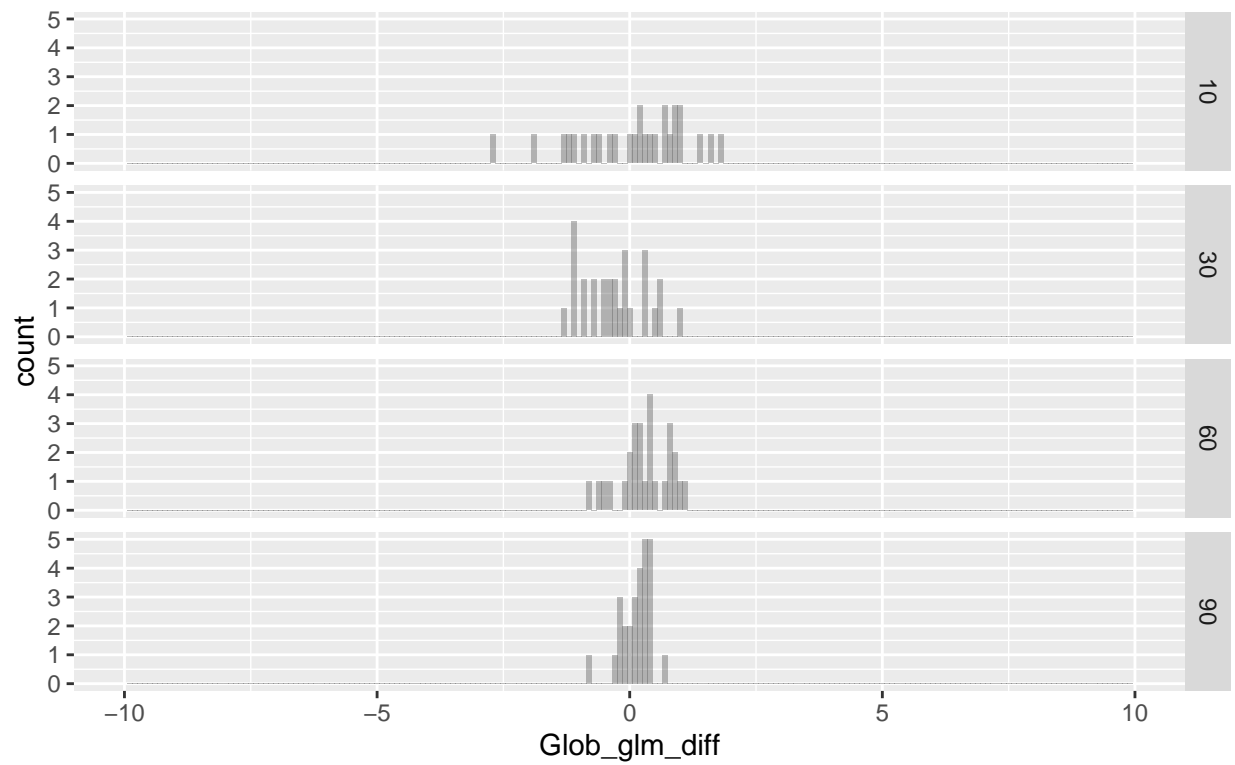# Correct Model Checking

Amelia

27/09/2019

This document takes as inputs the "final_corr_master" files created by "build_corr_masters.R"

vizualise the coef differences calculated by glms

```
## Warning: Removed 8 rows containing missing values (geom_bar).
```
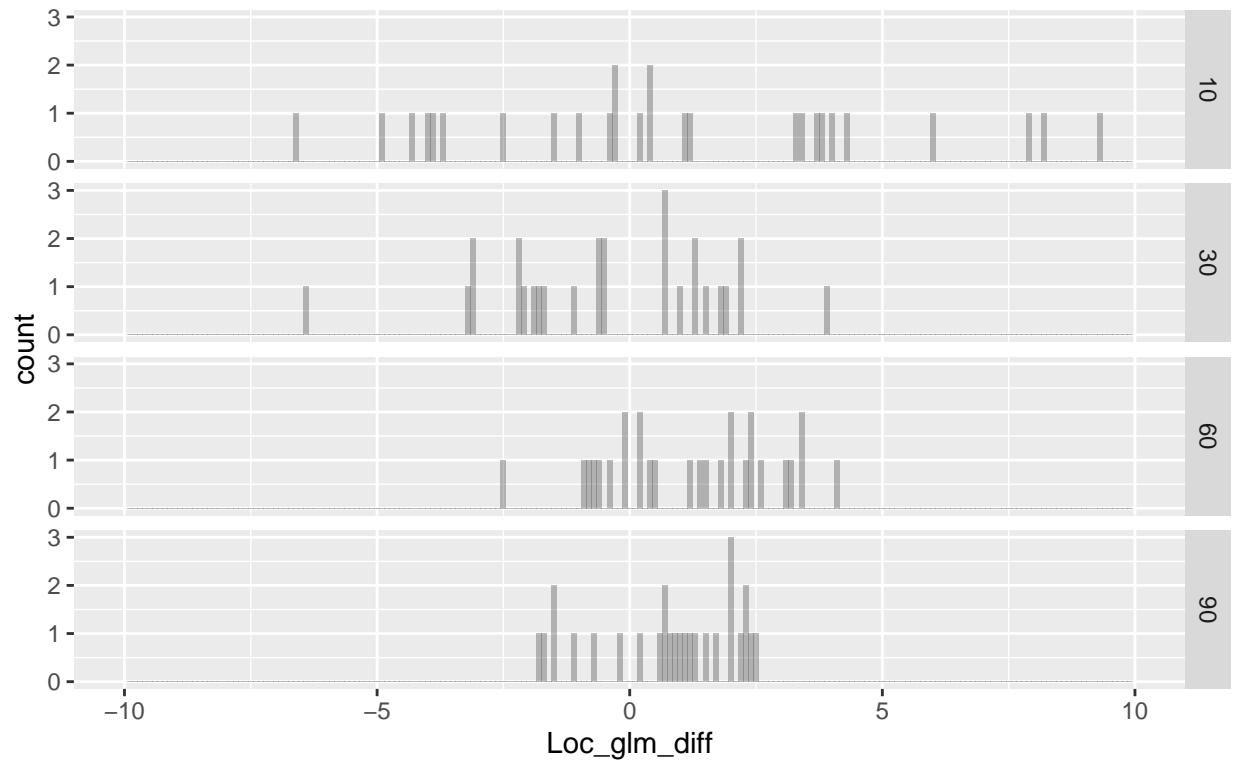

Econ coef differenece,hindi data, calculated by glm, by number of subjects

```
## Warning: Removed 8 rows containing missing values (geom_bar).
```

Glob coef differenece, hindi data, calculated by glm, by number of subjects

```
## Warning: Removed 8 rows containing missing values (geom_bar).
```
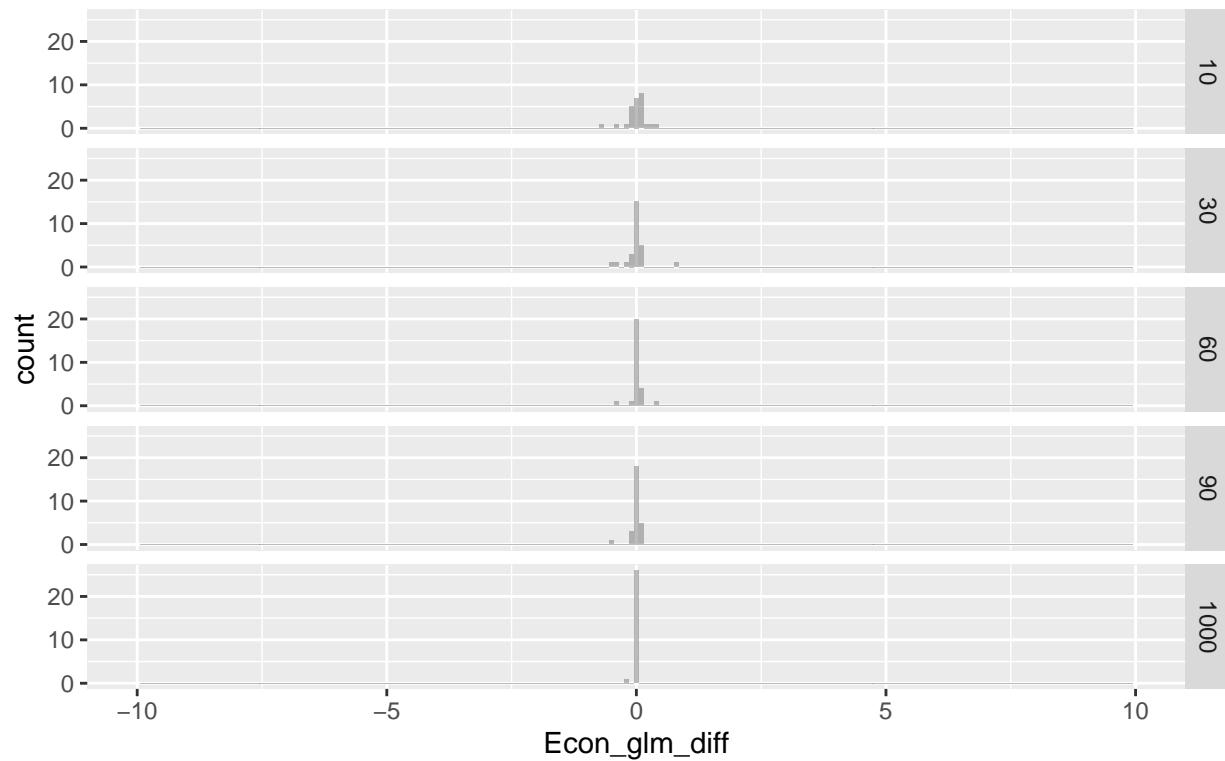
Loc coef differenece, hindi data, calculated by glm, by number of subjects

```
## Warning: Removed 1 rows containing non-finite values (stat_bin).
```

```
## Warning: Removed 10 rows containing missing values (geom_bar).
```
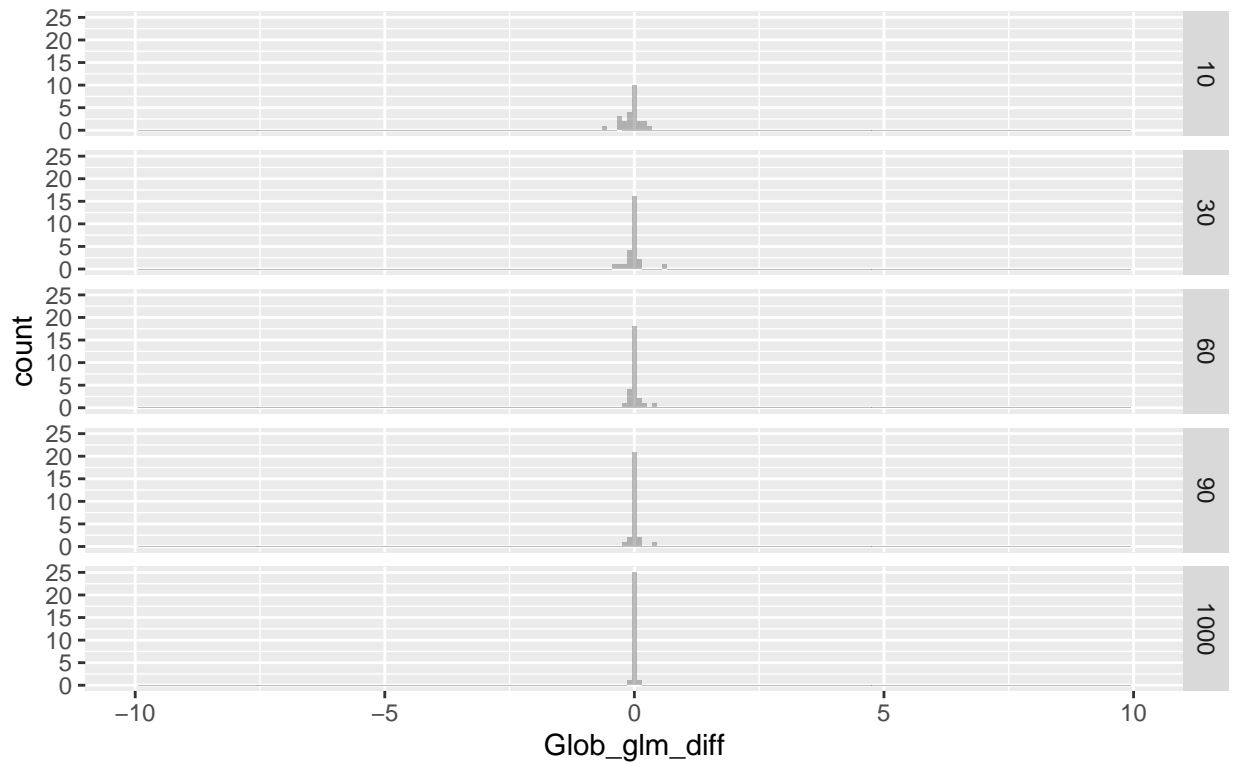
Econ coef differenece,fake grid data, calculated by glm, by number of subjects

```
## Warning: Removed 3 rows containing non-finite values (stat_bin).

## Warning: Removed 10 rows containing missing values (geom_bar).
```

Glob coef differenece, fake grid data,
calculated by glm, by number of subjects

```
## Warning: Removed 1 rows containing non-finite values (stat_bin).
```

```
## Warning: Removed 10 rows containing missing values (geom_bar).
```
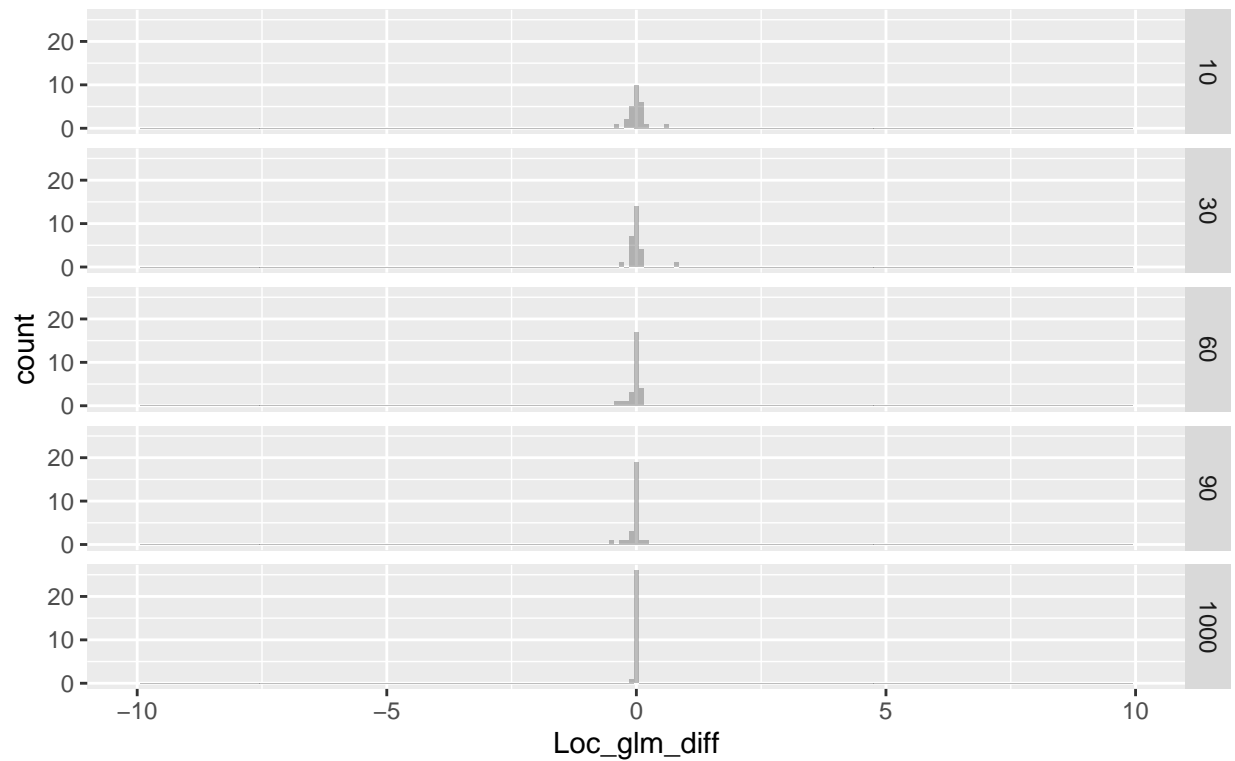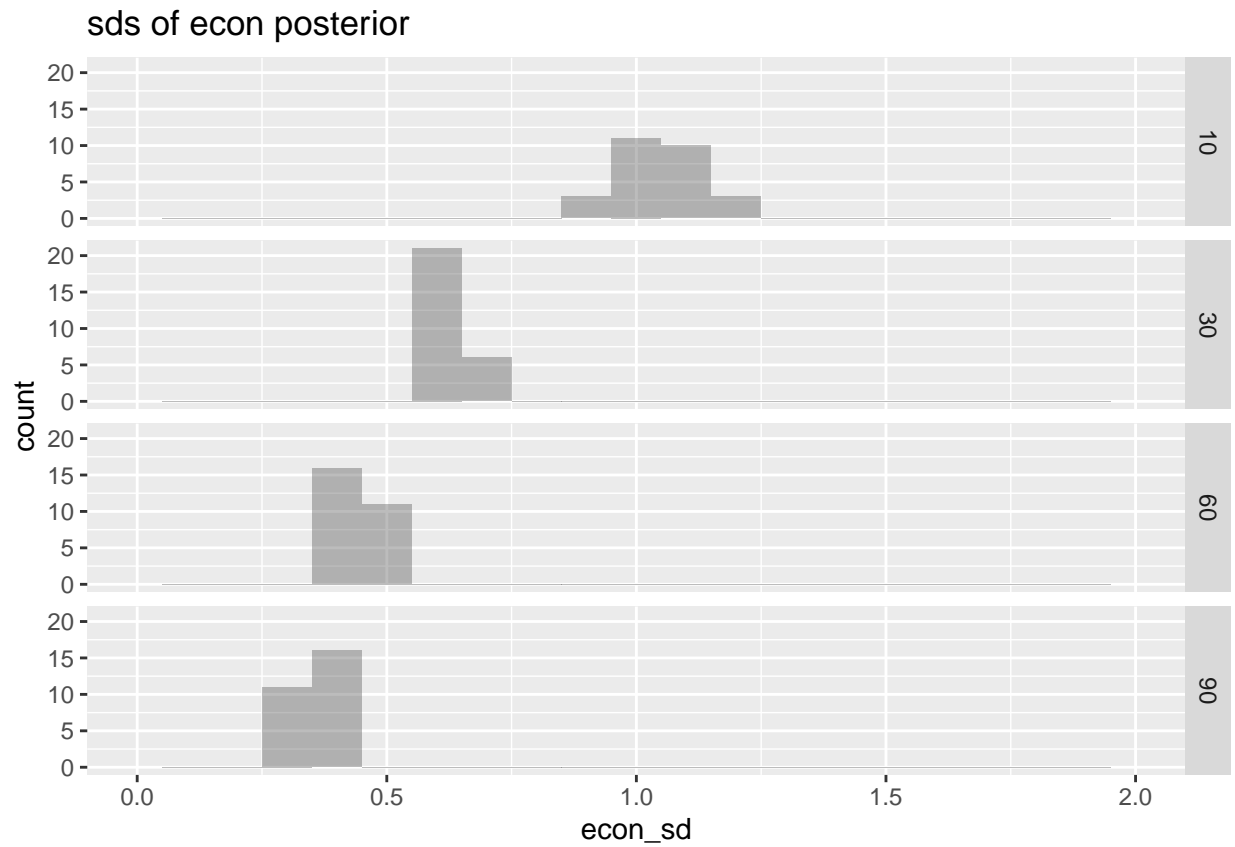
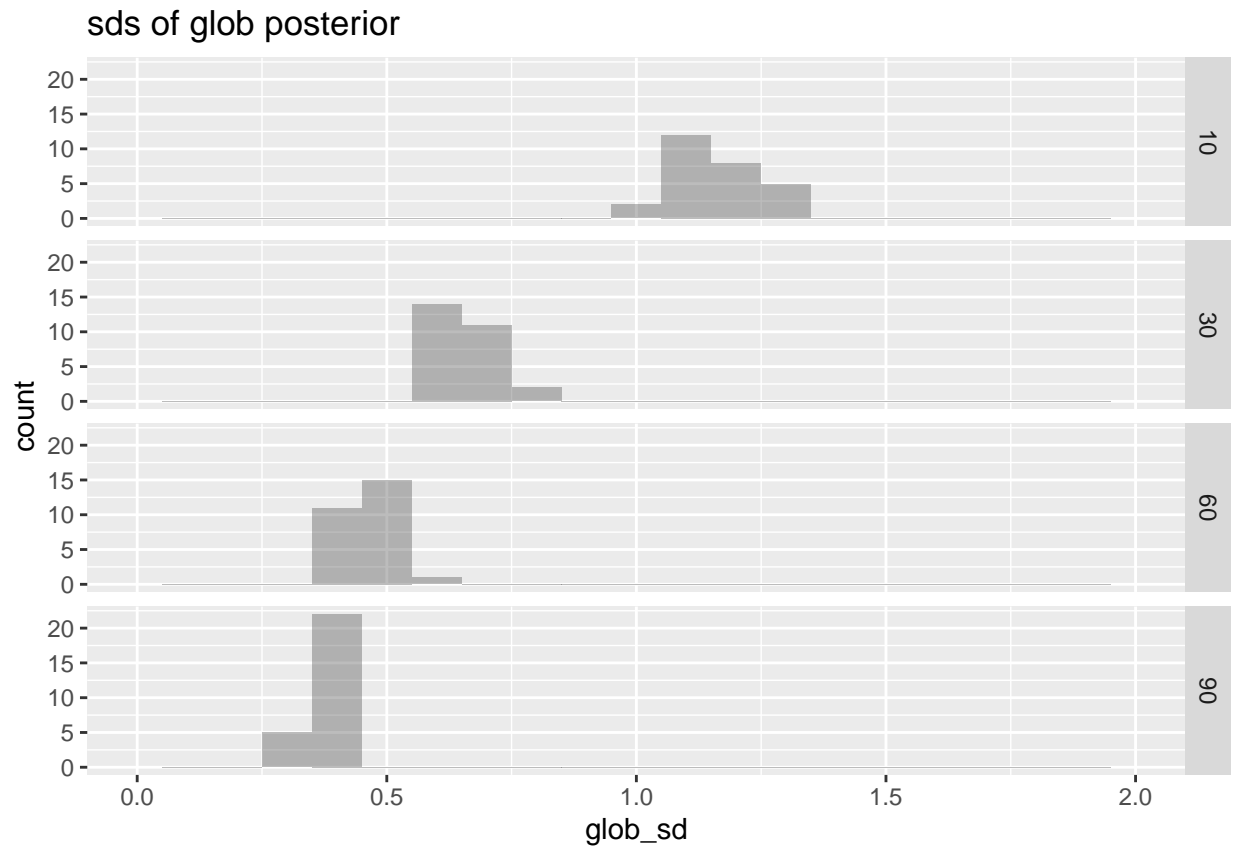Loc coef differenece, fake grid data, calculated by glm, by number of subjects

##variability in posterior draws for hindi model these graphs show the sd for each of the 27 correct models for each of the four data instances for hindi
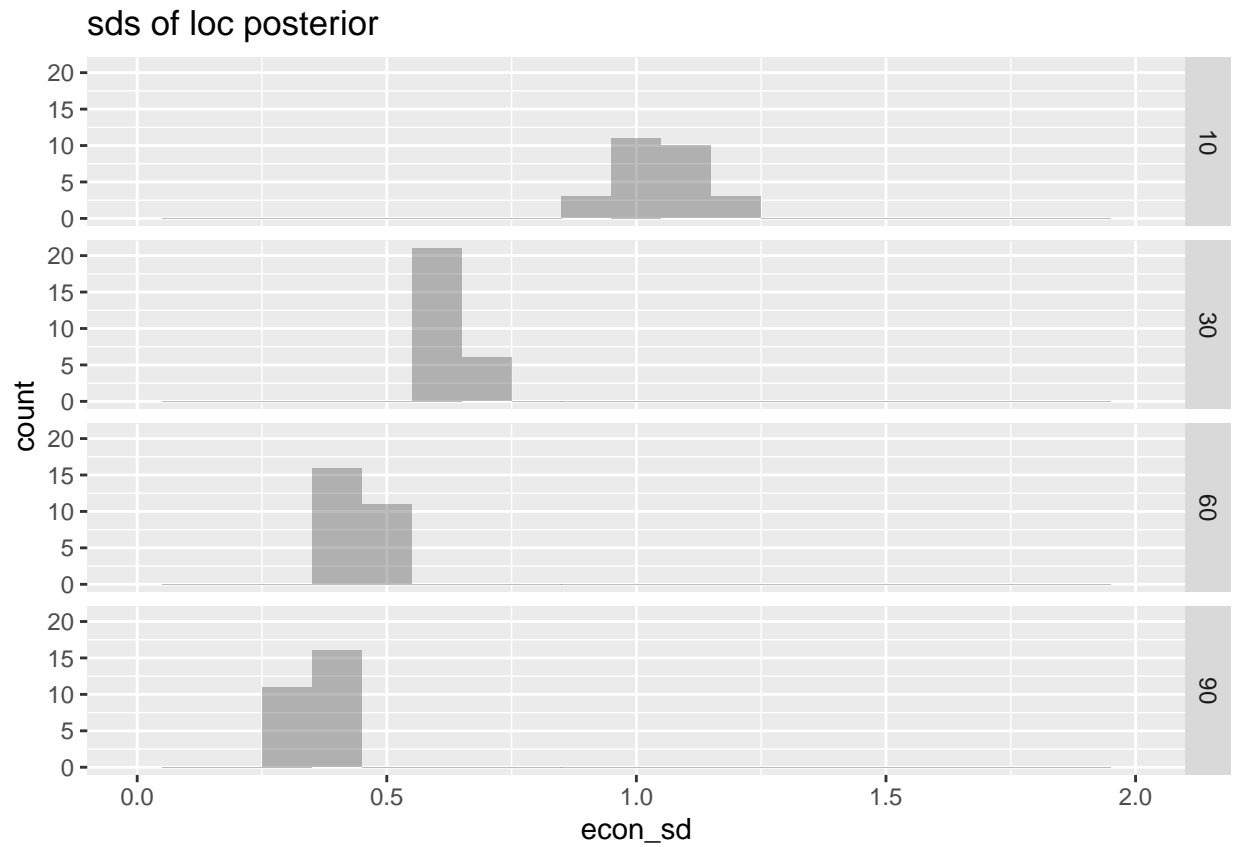
plots faceted by number of subjects/data instance

```
## Warning: Removed 8 rows containing missing values (geom_bar).
```

sds of econ posterior

Warning: Removed 8 rows containing missing values (geom_bar).

sds of glob posterior

Warning: Removed 8 rows containing missing values (geom_bar).
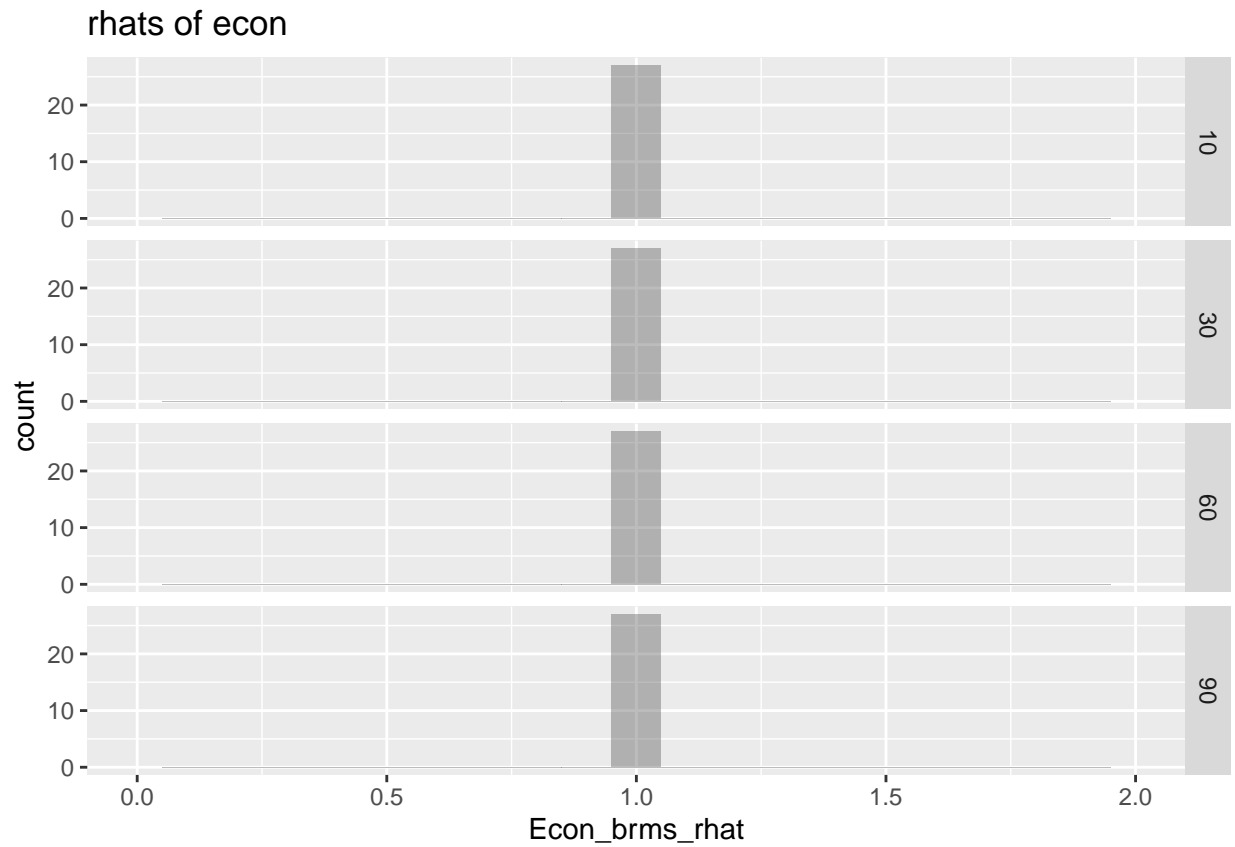
sds of loc posterior

rhats for hindi models –

```
## Warning: Removed 8 rows containing missing values (geom_bar).
```

rhats of econ

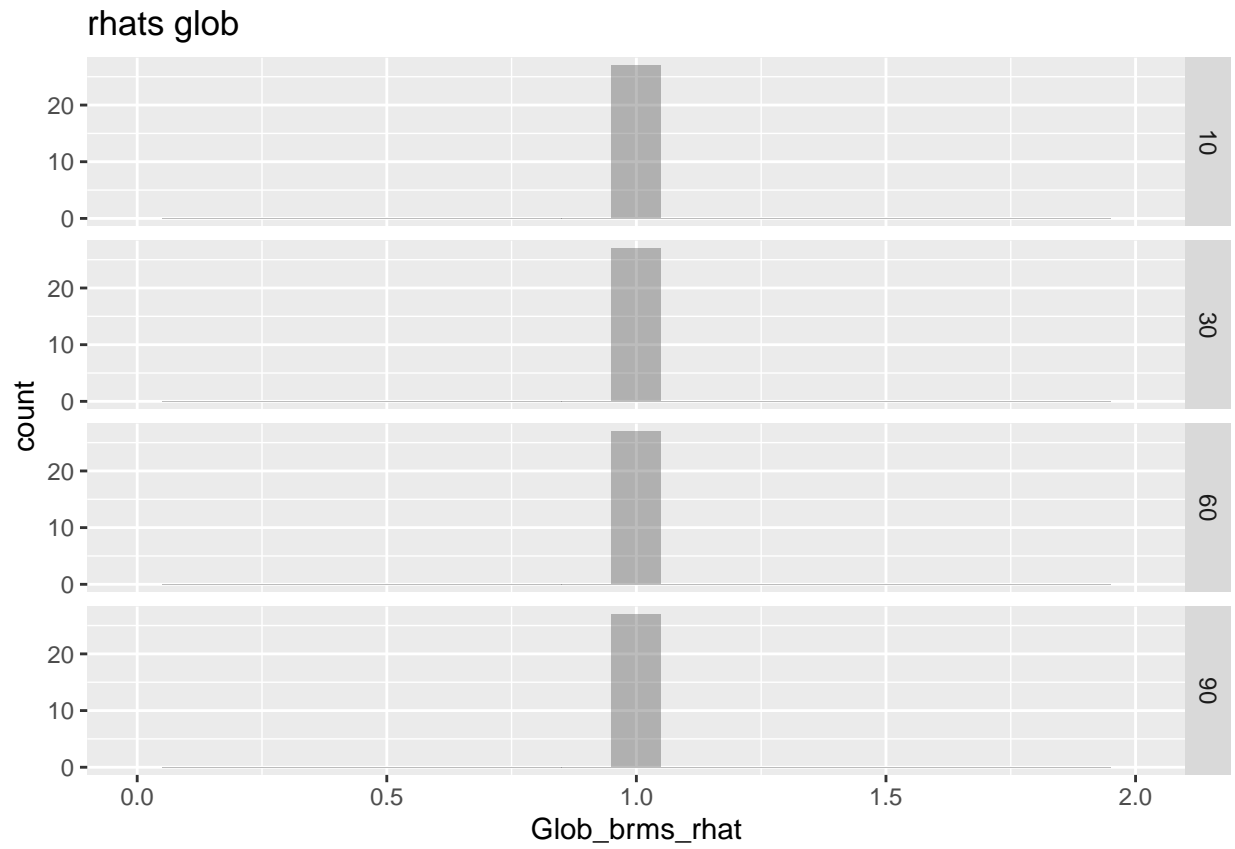## Warning: Removed 8 rows containing missing values (geom_bar).

rhats glob

Warning: Removed 8 rows containing missing values (geom_bar).

rhats loc