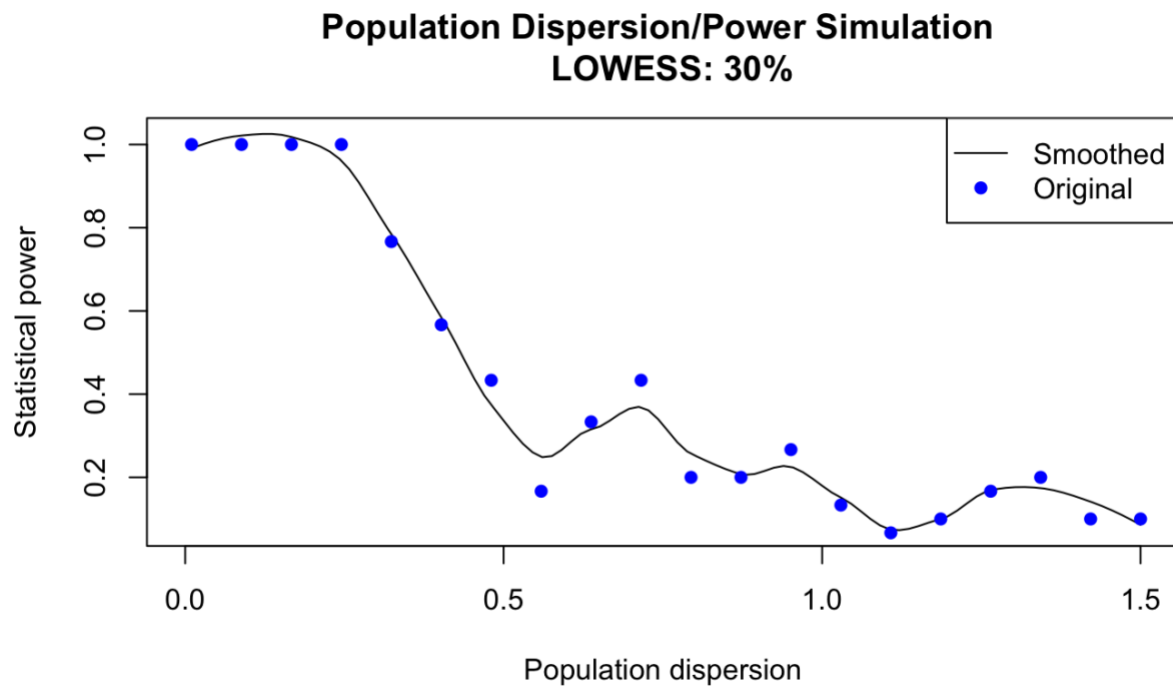
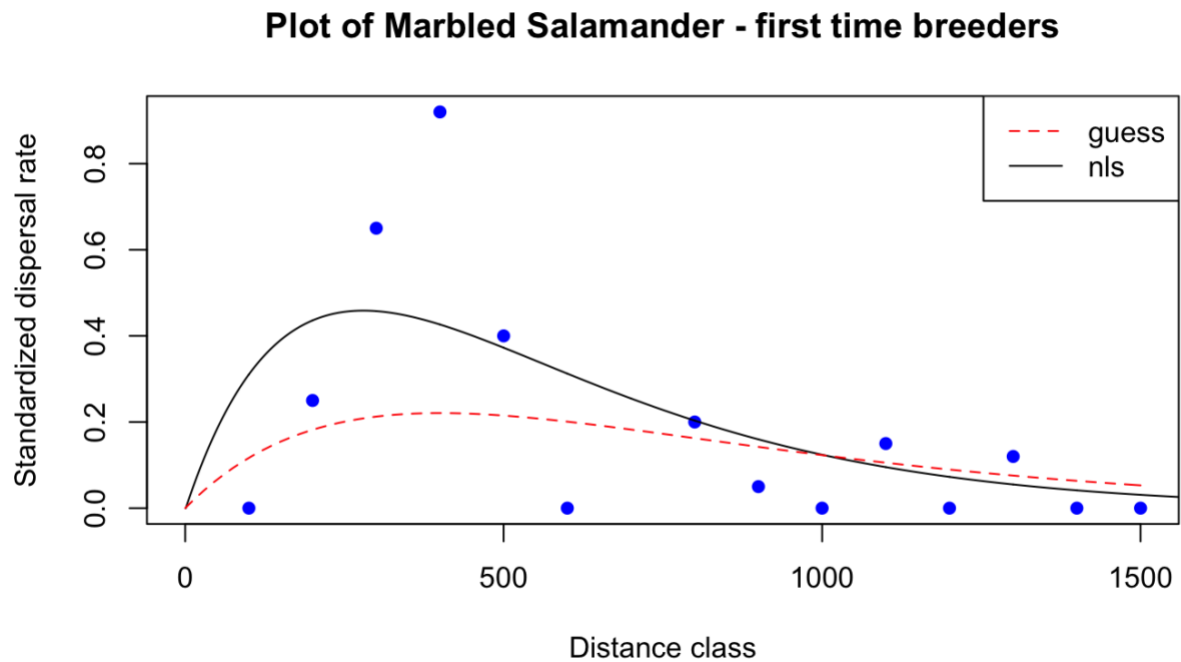


Lab 12
Feipeng Huang
Q1



Q2



Q3

```
> AIC(fit_GCKI_slope)
```

```
[1] 1432.615
```

```
> AIC(fit_GCKI_ba_tot)
```

```
[1] 1369.379
```

```
> AIC(fit_GCKI_both_additive)
```

```
[1] 1355.951
```

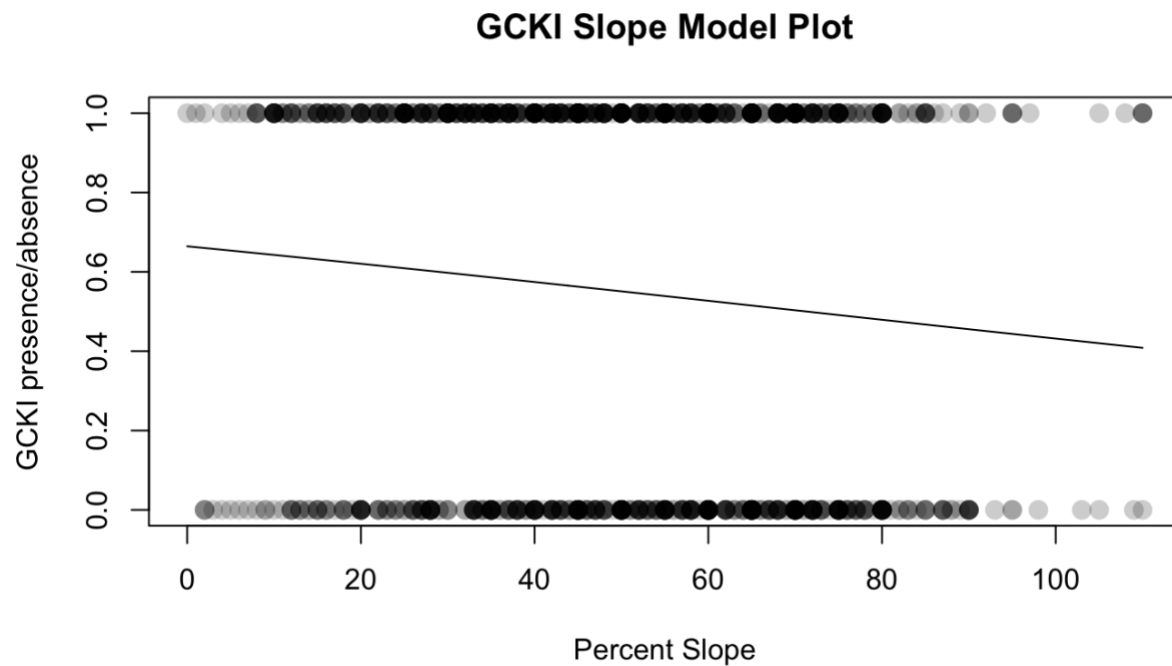
```
> AIC(fit_GCKI_both_interactive)
```

```
[1] 1353.007
```

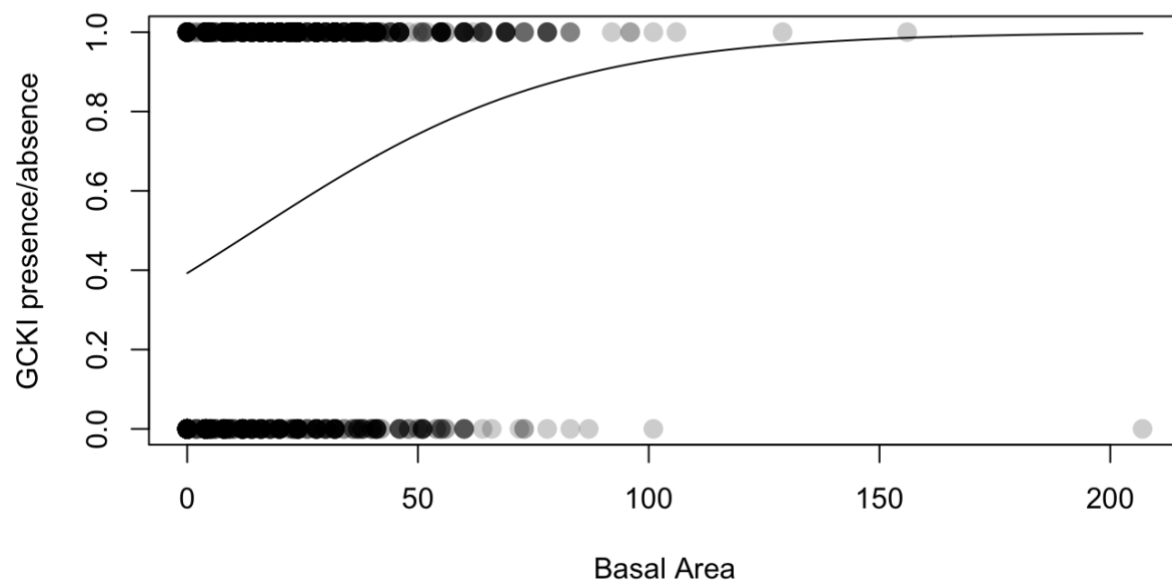
Q4 I will choose the interactive model (fit_GCKI_both_interactive) because it has the lowest AIC value.

Q5 Total basal area has a significant positive impact on the Golden-crowned Kinglet presence. The interaction between slope and total basal area has a significant negative impact on the Golden-crowned Kinglet presence. The negative impact of slope on the Golden-crowned Kinglet presence is not significant.

Q6

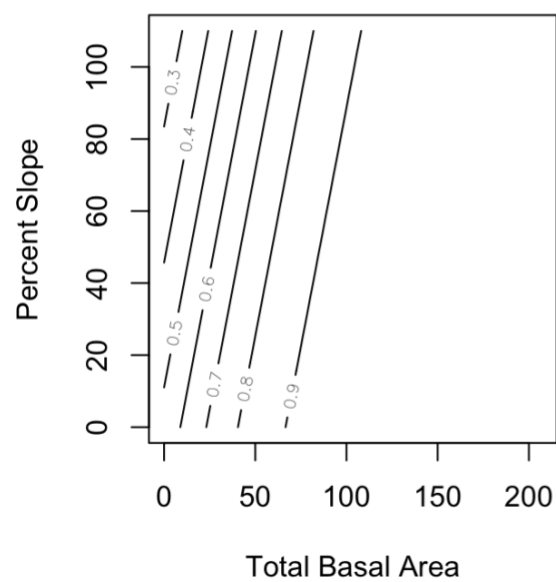


GCKI Basal Area Model Plot



Q7

Additive



Interactive

