Untitled

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The models under comparison have the following order:

1. Predictors included, distributional
2. Predictors included, non-distributional
3. Predictors not included, distributional
4. Predictors not included, non-distributional

```
loo.objects <- readRDS('model.comparisons.RDS')

dominant.compare <- loo.objects[[1]]
dominant.stack <- loo.objects[[2]]
rhythm.compare <- loo.objects[[3]]
rhythm.stack <- loo.objects[[4]]
```

Dominant frequency

In terms of stacking weight, we see that the two distributional models perform roughly equally.

```
dominant.stack
```

```
## Method: stacking
## ------
##        weight
## model1 0.485
## model2 0.015
## model3 0.500
## model4 0.000
```

This means that including predictors such as weight of dominant frequency does not greeatly improve model predictions. This is a bit odd. Perhaps the random effects structure is too conservative?

Rhythm

In terms of stacking weight, we see that the null distributional models greatly performs the distributional model with predictors.

```
rhythm.stack
```

```
## Method: stacking
## ------
##        weight
## model1 0.138
```

```
## model2 0.012
## model3 0.850
## model4 0.000
```