# Affect and SM Use - SMASH Study

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# **Descriptive Statistics**

```
## Days in Study

# summarize max days in study

Max_days <- data %>%
    group_by(pid) %>%
    summarise(Max_day = max(day_in_study, na.rm=TRUE))

# get mean/sd day in study
mean(Max_days$Max_day, na.rm=TRUE)
```

```
## [1] 30.57895

sd(Max_days$Max_day, na.rm=TRUE)
```

## [1] 5.620555

# Models Prediciting Evening Negative Mood

	n <b>par</b> <dbl></dbl>	AIC <dbl></dbl>	BIC <dbl></dbl>	logLik <dbl></dbl>	deviance <dbl></dbl>	Chisq <dbl></dbl>	Df <dbl> ▶</dbl>
model1	7	2507.179	2532.869	-1246.59	2493.179	NA	NA
model2	9	2511.179	2544.208	-1246.59	2493.179	0	2
2 rows   1-8 of	9 columns						

```
model3 <- lmer(NAf_pm_p ~ count_sm_p + NAf_am_p + count_sm_p_c + day_in_study + (1 | pid), data = day)
model4 <- lmer(NAf_pm_p ~ count_sm_p + NAf_am_p + count_sm_p_c + day_in_study + (1 + count_sm_p | pid), data = day)
anova(model3, model4)</pre>
```

	npar <dbl></dbl>	AIC <dbl></dbl>	BIC <dbl></dbl>	<b>logLik</b> <dbl></dbl>	<b>deviance</b> <dbl></dbl>	Chisq <dbl></dbl>	<b>Df</b> <dbl></dbl>
model3	7	2504.443	2530.132	-1245.222	2490.443	NA	NA
model4	9	2508.443	2541.472	-1245.222	2490.443	0	2

#### 

```
## Negative mood - sumduration
NA_sm_sum_bayes <- brm(NAf_pm_p ~ sum_sm_p + NAf_am_p + sum_sm_p_c + day_in_study + (1 | pid), prior = prior1, data = day)</pre>
```

```
##
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 1).
## Chain 1:
## Chain 1: Gradient evaluation took 3.7e-05 seconds
## Chain 1: 1000 transitions using 10 leapfrog steps per transition would take 0.37 seconds.
## Chain 1: Adjust your expectations accordingly!
## Chain 1:
## Chain 1:
## Chain 1: Iteration:
                        1 / 2000 [ 0%] (Warmup)
## Chain 1: Iteration: 200 / 2000 [ 10%]
                                           (Warmup)
## Chain 1: Iteration: 400 / 2000 [ 20%]
                                           (Warmup)
## Chain 1: Iteration: 600 / 2000 [ 30%]
                                           (Warmup)
## Chain 1: Iteration: 800 / 2000 [ 40%]
                                           (Warmup)
## Chain 1: Iteration: 1000 / 2000 [ 50%]
                                           (Warmup)
## Chain 1: Iteration: 1001 / 2000 [ 50%]
                                           (Sampling)
## Chain 1: Iteration: 1200 / 2000 [ 60%]
                                           (Sampling)
## Chain 1: Iteration: 1400 / 2000 [ 70%]
                                          (Sampling)
## Chain 1: Iteration: 1600 / 2000 [ 80%]
                                           (Sampling)
## Chain 1: Iteration: 1800 / 2000 [ 90%]
                                           (Sampling)
## Chain 1: Iteration: 2000 / 2000 [100%]
                                          (Sampling)
## Chain 1:
## Chain 1: Elapsed Time: 0.521 seconds (Warm-up)
## Chain 1:
                           0.242 seconds (Sampling)
## Chain 1:
                          0.763 seconds (Total)
## Chain 1:
##
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 2).
## Chain 2:
## Chain 2: Gradient evaluation took 1.9e-05 seconds
## Chain 2: 1000 transitions using 10 leapfrog steps per transition would take 0.19 seconds.
## Chain 2: Adjust your expectations accordingly!
## Chain 2:
## Chain 2:
## Chain 2: Iteration:
                         1 / 2000 [ 0%] (Warmup)
## Chain 2: Iteration: 200 / 2000 [ 10%]
                                           (Warmup)
## Chain 2: Iteration: 400 / 2000 [ 20%]
                                           (Warmup)
## Chain 2: Iteration: 600 / 2000 [ 30%]
                                           (Warmup)
## Chain 2: Iteration: 800 / 2000 [ 40%]
                                           (Warmup)
## Chain 2: Iteration: 1000 / 2000 [ 50%]
                                           (Warmup)
```

```
## Chain 2: Iteration: 1001 / 2000 [ 50%]
                                           (Sampling)
## Chain 2: Iteration: 1200 / 2000 [ 60%]
                                           (Sampling)
## Chain 2: Iteration: 1400 / 2000 [ 70%]
                                           (Sampling)
## Chain 2: Iteration: 1600 / 2000 [ 80%]
                                           (Sampling)
## Chain 2: Iteration: 1800 / 2000 [ 90%]
                                           (Sampling)
## Chain 2: Iteration: 2000 / 2000 [100%]
                                           (Sampling)
## Chain 2:
## Chain 2: Elapsed Time: 0.505 seconds (Warm-up)
## Chain 2:
                           0.245 seconds (Sampling)
## Chain 2:
                           0.75 seconds (Total)
## Chain 2:
##
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 3).
## Chain 3:
## Chain 3: Gradient evaluation took 2e-05 seconds
## Chain 3: 1000 transitions using 10 leapfrog steps per transition would take 0.2 seconds.
## Chain 3: Adjust your expectations accordingly!
## Chain 3:
## Chain 3:
## Chain 3: Iteration:
                          1 / 2000 [ 0%] (Warmup)
## Chain 3: Iteration: 200 / 2000 [ 10%]
                                           (Warmup)
## Chain 3: Iteration: 400 / 2000 [ 20%]
                                           (Warmup)
## Chain 3: Iteration: 600 / 2000 [ 30%]
                                           (Warmup)
## Chain 3: Iteration: 800 / 2000 [ 40%]
                                           (Warmup)
## Chain 3: Iteration: 1000 / 2000 [ 50%]
                                           (Warmup)
## Chain 3: Iteration: 1001 / 2000 [ 50%]
                                           (Sampling)
## Chain 3: Iteration: 1200 / 2000 [ 60%]
                                           (Sampling)
## Chain 3: Iteration: 1400 / 2000 [ 70%]
                                           (Sampling)
## Chain 3: Iteration: 1600 / 2000 [ 80%]
                                           (Sampling)
## Chain 3: Iteration: 1800 / 2000 [ 90%]
                                           (Sampling)
## Chain 3: Iteration: 2000 / 2000 [100%]
                                           (Sampling)
## Chain 3:
## Chain 3: Elapsed Time: 0.538 seconds (Warm-up)
## Chain 3:
                           0.207 seconds (Sampling)
## Chain 3:
                           0.745 seconds (Total)
## Chain 3:
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 4).
## Chain 4:
```

```
## Chain 4: Gradient evaluation took 2.7e-05 seconds
## Chain 4: 1000 transitions using 10 leapfrog steps per transition would take 0.27 seconds.
## Chain 4: Adjust your expectations accordingly!
## Chain 4:
## Chain 4:
## Chain 4: Iteration: 1 / 2000 [ 0%] (Warmup)
## Chain 4: Iteration: 200 / 2000 [ 10%]
                                          (Warmup)
## Chain 4: Iteration: 400 / 2000 [ 20%]
                                          (Warmup)
## Chain 4: Iteration: 600 / 2000 [ 30%] (Warmup)
## Chain 4: Iteration: 800 / 2000 [ 40%]
                                          (Warmup)
## Chain 4: Iteration: 1000 / 2000 [ 50%]
                                          (Warmup)
## Chain 4: Iteration: 1001 / 2000 [ 50%] (Sampling)
## Chain 4: Iteration: 1200 / 2000 [ 60%] (Sampling)
## Chain 4: Iteration: 1400 / 2000 [ 70%] (Sampling)
## Chain 4: Iteration: 1600 / 2000 [ 80%]
                                          (Sampling)
## Chain 4: Iteration: 1800 / 2000 [ 90%]
                                          (Sampling)
## Chain 4: Iteration: 2000 / 2000 [100%] (Sampling)
## Chain 4:
## Chain 4: Elapsed Time: 0.512 seconds (Warm-up)
## Chain 4:
                          0.242 seconds (Sampling)
## Chain 4:
                          0.754 seconds (Total)
## Chain 4:
```

model\_parameters(NA\_sm\_sum\_bayes, centrality = "mean")

Parameter <chr></chr>	Component <chr></chr>	Mean <dbl></dbl>	CI <dbl></dbl>	CI_low <dbl></dbl>
b_Intercept	conditional	-1.634983883	0.95	-6.82482127
b_sum_sm_p	conditional	0.025618122	0.95	-0.02742957
b_NAf_am_p	conditional	0.117824207	0.95	0.01446423
b_sum_sm_p_c	conditional	-0.008268871	0.95	-0.04926505
b_day_in_study	conditional	0.108924310	0.95	-0.12721802
sigma	sigma	17.986205241	0.95	16.60926925

## 6 rows | 1-5 of 10 columns

standard\_error(NA\_sm\_sum\_bayes)

Parameter <chr></chr>	SE <dbl></dbl>
b_Intercept	2.58447271
b_sum_sm_p	0.02681186
b_NAf_am_p	0.05341580
b_sum_sm_p_c	0.02103537
b_day_in_study	0.12279981
sigma	0.74376904
6 rows	

## Negative mood - counts

NA\_sm\_count\_bayes <- brm(NAf\_pm\_p ~ count\_sm\_p + NAf\_am\_p + count\_sm\_p\_c + day\_in\_study + (1 | pid), prior = prior1, data = day)





```
##
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 1).
## Chain 1:
## Chain 1: Gradient evaluation took 3.9e-05 seconds
## Chain 1: 1000 transitions using 10 leapfrog steps per transition would take 0.39 seconds.
## Chain 1: Adjust your expectations accordingly!
## Chain 1:
## Chain 1:
## Chain 1: Iteration:
                        1 / 2000 [ 0%] (Warmup)
## Chain 1: Iteration: 200 / 2000 [ 10%]
                                           (Warmup)
## Chain 1: Iteration: 400 / 2000 [ 20%]
                                           (Warmup)
## Chain 1: Iteration: 600 / 2000 [ 30%]
                                           (Warmup)
## Chain 1: Iteration: 800 / 2000 [ 40%]
                                           (Warmup)
## Chain 1: Iteration: 1000 / 2000 [ 50%]
                                           (Warmup)
## Chain 1: Iteration: 1001 / 2000 [ 50%]
                                           (Sampling)
## Chain 1: Iteration: 1200 / 2000 [ 60%]
                                           (Sampling)
## Chain 1: Iteration: 1400 / 2000 [ 70%]
                                          (Sampling)
## Chain 1: Iteration: 1600 / 2000 [ 80%]
                                           (Sampling)
## Chain 1: Iteration: 1800 / 2000 [ 90%]
                                           (Sampling)
## Chain 1: Iteration: 2000 / 2000 [100%]
                                          (Sampling)
## Chain 1:
## Chain 1: Elapsed Time: 0.758 seconds (Warm-up)
## Chain 1:
                           0.135 seconds (Sampling)
## Chain 1:
                          0.893 seconds (Total)
## Chain 1:
##
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 2).
## Chain 2:
## Chain 2: Gradient evaluation took 3.4e-05 seconds
## Chain 2: 1000 transitions using 10 leapfrog steps per transition would take 0.34 seconds.
## Chain 2: Adjust your expectations accordingly!
## Chain 2:
## Chain 2:
## Chain 2: Iteration:
                         1 / 2000 [ 0%] (Warmup)
## Chain 2: Iteration: 200 / 2000 [ 10%]
                                           (Warmup)
## Chain 2: Iteration: 400 / 2000 [ 20%]
                                           (Warmup)
## Chain 2: Iteration: 600 / 2000 [ 30%]
                                           (Warmup)
## Chain 2: Iteration: 800 / 2000 [ 40%]
                                           (Warmup)
## Chain 2: Iteration: 1000 / 2000 [ 50%]
                                           (Warmup)
```

```
## Chain 2: Iteration: 1001 / 2000 [ 50%]
                                           (Sampling)
## Chain 2: Iteration: 1200 / 2000 [ 60%]
                                           (Sampling)
## Chain 2: Iteration: 1400 / 2000 [ 70%]
                                           (Sampling)
## Chain 2: Iteration: 1600 / 2000 [ 80%]
                                           (Sampling)
## Chain 2: Iteration: 1800 / 2000 [ 90%]
                                           (Sampling)
## Chain 2: Iteration: 2000 / 2000 [100%]
                                           (Sampling)
## Chain 2:
## Chain 2: Elapsed Time: 0.674 seconds (Warm-up)
## Chain 2:
                           0.136 seconds (Sampling)
## Chain 2:
                           0.81 seconds (Total)
## Chain 2:
##
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 3).
## Chain 3:
## Chain 3: Gradient evaluation took 6.8e-05 seconds
## Chain 3: 1000 transitions using 10 leapfrog steps per transition would take 0.68 seconds.
## Chain 3: Adjust your expectations accordingly!
## Chain 3:
## Chain 3:
## Chain 3: Iteration:
                          1 / 2000 [ 0%] (Warmup)
## Chain 3: Iteration: 200 / 2000 [ 10%]
                                           (Warmup)
## Chain 3: Iteration: 400 / 2000 [ 20%]
                                           (Warmup)
## Chain 3: Iteration: 600 / 2000 [ 30%]
                                           (Warmup)
## Chain 3: Iteration: 800 / 2000 [ 40%]
                                           (Warmup)
## Chain 3: Iteration: 1000 / 2000 [ 50%]
                                           (Warmup)
## Chain 3: Iteration: 1001 / 2000 [ 50%]
                                           (Sampling)
## Chain 3: Iteration: 1200 / 2000 [ 60%]
                                           (Sampling)
## Chain 3: Iteration: 1400 / 2000 [ 70%]
                                           (Sampling)
## Chain 3: Iteration: 1600 / 2000 [ 80%]
                                           (Sampling)
## Chain 3: Iteration: 1800 / 2000 [ 90%]
                                           (Sampling)
## Chain 3: Iteration: 2000 / 2000 [100%]
                                           (Sampling)
## Chain 3:
## Chain 3: Elapsed Time: 0.684 seconds (Warm-up)
## Chain 3:
                           0.242 seconds (Sampling)
## Chain 3:
                           0.926 seconds (Total)
## Chain 3:
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 4).
## Chain 4:
```

```
## Chain 4: Gradient evaluation took 1.9e-05 seconds
## Chain 4: 1000 transitions using 10 leapfrog steps per transition would take 0.19 seconds.
## Chain 4: Adjust your expectations accordingly!
## Chain 4:
## Chain 4:
## Chain 4: Iteration: 1 / 2000 [ 0%] (Warmup)
## Chain 4: Iteration: 200 / 2000 [ 10%] (Warmup)
## Chain 4: Iteration: 400 / 2000 [ 20%]
                                          (Warmup)
## Chain 4: Iteration: 600 / 2000 [ 30%] (Warmup)
## Chain 4: Iteration: 800 / 2000 [ 40%]
                                          (Warmup)
## Chain 4: Iteration: 1000 / 2000 [ 50%]
                                          (Warmup)
## Chain 4: Iteration: 1001 / 2000 [ 50%] (Sampling)
## Chain 4: Iteration: 1200 / 2000 [ 60%] (Sampling)
## Chain 4: Iteration: 1400 / 2000 [ 70%] (Sampling)
## Chain 4: Iteration: 1600 / 2000 [ 80%]
                                          (Sampling)
## Chain 4: Iteration: 1800 / 2000 [ 90%]
                                          (Sampling)
## Chain 4: Iteration: 2000 / 2000 [100%] (Sampling)
## Chain 4:
## Chain 4: Elapsed Time: 0.622 seconds (Warm-up)
## Chain 4:
                          0.237 seconds (Sampling)
## Chain 4:
                          0.859 seconds (Total)
## Chain 4:
```

model\_parameters(NA\_sm\_count\_bayes, centrality = "mean")

Parameter <chr></chr>	Component <chr></chr>	<b>Mean</b> <dbl></dbl>	CI <dbl></dbl>	CI_low <dbl></dbl>
b_Intercept	conditional	-1.313103244	0.95	-6.706579188
b_count_sm_p	conditional	0.029825070	0.95	-0.001960873
b_NAf_am_p	conditional	0.117456573	0.95	0.011169244
b_count_sm_p_c	conditional	-0.006647957	0.95	-0.030827919
b_day_in_study	conditional	0.107976648	0.95	-0.134403115
sigma	sigma	17.913613705	0.95	16.562027898

### 6 rows | 1-5 of 10 columns

standard\_error(NA\_sm\_count\_bayes)

Parameter <chr></chr>	SE <dbl></dbl>
b_Intercept	2.72539175
b_count_sm_p	0.01598548
b_NAf_am_p	0.05426765
b_count_sm_p_c	0.01245771
b_day_in_study	0.12058058
sigma	0.75023738
6 rows	

## Positive Affect on SM predicting social media use

	npar <dbl></dbl>	AIC <dbl></dbl>	BIC <dbl></dbl>	logLik <dbl></dbl>	deviance <dbl></dbl>
model1	6	4163.625	4187.766	-2075.813	4151.625
model2	8	4167.625	4199.813	-2075.813	4151.625
2 rows   1-6 of 9 o	columns				

```
model3 <- lmer(count_sm_p ~ SM_Pos_p + SM_Pos_p_c + day_in_study + (1 | pid), data = day)
model4 <- lmer(count_sm_p ~ SM_Pos_p + SM_Pos_p_c + day_in_study + (1 + SM_Pos_p | pid), data = day)
anova(model3, model4)</pre>
```

	<b>npar</b> <dbl></dbl>	AIC <dbl></dbl>	BIC <dbl></dbl>	logLik <dbl></dbl>	deviance <dbl></dbl>
model3	6	4638.087	4662.227	-2313.043	4626.087
model4	8	4642.057	4674.244	-2313.028	4626.057
2 rows   1-6 of 9	columns				

## Positive affect & minutes of SM

PA\_on\_SM\_day\_bayes <- brm(sum\_sm\_p ~ SM\_Pos\_p + SM\_Pos\_p\_c + day\_in\_study + (1 | pid), prior = prior1, data = day)

```
##
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 1).
## Chain 1:
## Chain 1: Gradient evaluation took 6.6e-05 seconds
## Chain 1: 1000 transitions using 10 leapfrog steps per transition would take 0.66 seconds.
## Chain 1: Adjust your expectations accordingly!
## Chain 1:
## Chain 1:
## Chain 1: Iteration:
                        1 / 2000 [ 0%] (Warmup)
## Chain 1: Iteration: 200 / 2000 [ 10%]
                                           (Warmup)
## Chain 1: Iteration: 400 / 2000 [ 20%]
                                           (Warmup)
## Chain 1: Iteration: 600 / 2000 [ 30%]
                                           (Warmup)
## Chain 1: Iteration: 800 / 2000 [ 40%]
                                           (Warmup)
## Chain 1: Iteration: 1000 / 2000 [ 50%]
                                           (Warmup)
## Chain 1: Iteration: 1001 / 2000 [ 50%]
                                           (Sampling)
## Chain 1: Iteration: 1200 / 2000 [ 60%]
                                           (Sampling)
## Chain 1: Iteration: 1400 / 2000 [ 70%]
                                          (Sampling)
## Chain 1: Iteration: 1600 / 2000 [ 80%]
                                           (Sampling)
## Chain 1: Iteration: 1800 / 2000 [ 90%]
                                           (Sampling)
## Chain 1: Iteration: 2000 / 2000 [100%]
                                          (Sampling)
## Chain 1:
## Chain 1: Elapsed Time: 0.459 seconds (Warm-up)
## Chain 1:
                           0.211 seconds (Sampling)
## Chain 1:
                          0.67 seconds (Total)
## Chain 1:
##
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 2).
## Chain 2:
## Chain 2: Gradient evaluation took 3e-05 seconds
## Chain 2: 1000 transitions using 10 leapfrog steps per transition would take 0.3 seconds.
## Chain 2: Adjust your expectations accordingly!
## Chain 2:
## Chain 2:
## Chain 2: Iteration:
                         1 / 2000 [ 0%] (Warmup)
## Chain 2: Iteration: 200 / 2000 [ 10%]
                                           (Warmup)
## Chain 2: Iteration: 400 / 2000 [
                                    20%]
                                           (Warmup)
## Chain 2: Iteration: 600 / 2000 [ 30%]
                                           (Warmup)
## Chain 2: Iteration: 800 / 2000 [ 40%]
                                           (Warmup)
## Chain 2: Iteration: 1000 / 2000 [ 50%]
                                           (Warmup)
```

```
## Chain 2: Iteration: 1001 / 2000 [ 50%]
                                           (Sampling)
## Chain 2: Iteration: 1200 / 2000 [ 60%]
                                           (Sampling)
## Chain 2: Iteration: 1400 / 2000 [ 70%]
                                           (Sampling)
## Chain 2: Iteration: 1600 / 2000 [ 80%]
                                           (Sampling)
## Chain 2: Iteration: 1800 / 2000 [ 90%]
                                           (Sampling)
## Chain 2: Iteration: 2000 / 2000 [100%]
                                           (Sampling)
## Chain 2:
## Chain 2: Elapsed Time: 0.494 seconds (Warm-up)
## Chain 2:
                           0.327 seconds (Sampling)
## Chain 2:
                           0.821 seconds (Total)
## Chain 2:
##
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 3).
## Chain 3:
## Chain 3: Gradient evaluation took 2.2e-05 seconds
## Chain 3: 1000 transitions using 10 leapfrog steps per transition would take 0.22 seconds.
## Chain 3: Adjust your expectations accordingly!
## Chain 3:
## Chain 3:
## Chain 3: Iteration:
                          1 / 2000 [ 0%] (Warmup)
## Chain 3: Iteration: 200 / 2000 [ 10%]
                                           (Warmup)
## Chain 3: Iteration: 400 / 2000 [ 20%]
                                           (Warmup)
## Chain 3: Iteration: 600 / 2000 [ 30%]
                                           (Warmup)
## Chain 3: Iteration: 800 / 2000 [ 40%]
                                           (Warmup)
## Chain 3: Iteration: 1000 / 2000 [ 50%]
                                           (Warmup)
## Chain 3: Iteration: 1001 / 2000 [ 50%]
                                           (Sampling)
## Chain 3: Iteration: 1200 / 2000 [ 60%]
                                           (Sampling)
## Chain 3: Iteration: 1400 / 2000 [ 70%]
                                           (Sampling)
## Chain 3: Iteration: 1600 / 2000 [ 80%]
                                           (Sampling)
## Chain 3: Iteration: 1800 / 2000 [ 90%]
                                           (Sampling)
## Chain 3: Iteration: 2000 / 2000 [100%]
                                           (Sampling)
## Chain 3:
## Chain 3: Elapsed Time: 0.522 seconds (Warm-up)
## Chain 3:
                           0.298 seconds (Sampling)
## Chain 3:
                           0.82 seconds (Total)
## Chain 3:
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 4).
## Chain 4:
```

```
## Chain 4: Gradient evaluation took 5.1e-05 seconds
## Chain 4: 1000 transitions using 10 leapfrog steps per transition would take 0.51 seconds.
## Chain 4: Adjust your expectations accordingly!
## Chain 4:
## Chain 4:
## Chain 4: Iteration: 1 / 2000 [ 0%] (Warmup)
## Chain 4: Iteration: 200 / 2000 [ 10%] (Warmup)
## Chain 4: Iteration: 400 / 2000 [ 20%] (Warmup)
## Chain 4: Iteration: 600 / 2000 [ 30%] (Warmup)
## Chain 4: Iteration: 800 / 2000 [ 40%] (Warmup)
## Chain 4: Iteration: 1000 / 2000 [ 50%] (Warmup)
## Chain 4: Iteration: 1001 / 2000 [ 50%] (Sampling)
## Chain 4: Iteration: 1200 / 2000 [ 60%] (Sampling)
## Chain 4: Iteration: 1400 / 2000 [ 70%] (Sampling)
## Chain 4: Iteration: 1600 / 2000 [ 80%] (Sampling)
## Chain 4: Iteration: 1800 / 2000 [ 90%]
                                          (Sampling)
## Chain 4: Iteration: 2000 / 2000 [100%] (Sampling)
## Chain 4:
## Chain 4: Elapsed Time: 0.486 seconds (Warm-up)
## Chain 4:
                          0.28 seconds (Sampling)
## Chain 4:
                          0.766 seconds (Total)
## Chain 4:
```

model\_parameters(PA\_on\_SM\_day\_bayes, centrality = "mean")

Parameter <chr></chr>	Component <chr></chr>	<b>Mean</b> <dbl></dbl>	CI <dbl></dbl>	CI_low <dbl></dbl>
b_Intercept	conditional	10.47299780	0.95	-0.53178997
b_SM_Pos_p	conditional	0.22555244	0.95	0.01592987
b_SM_Pos_p_c	conditional	-0.08726108	0.95	-0.24651027
b_day_in_study	conditional	-0.27024007	0.95	-0.67384059
sigma	sigma	37.07838996	0.95	34.61238860
5 rows   1-5 of 10 columns				

standard\_error(PA\_on\_SM\_day\_bayes)

Parameter <chr></chr>	SE <dbl></dbl>
b_Intercept	5.6601215
b_SM_Pos_p	0.1062421
b_SM_Pos_p_c	0.0780634
b_day_in_study	0.2072258
sigma	1.3286873
5 rows	

## Positive affect & SM checks

PA\_on\_SM\_count\_day\_bayes <- brm(count\_sm\_p ~ SM\_Pos\_p + SM\_Pos\_p\_c + day\_in\_study + (1 | pid), prior = prior1, data = day)

```
##
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 1).
## Chain 1:
## Chain 1: Gradient evaluation took 4.9e-05 seconds
## Chain 1: 1000 transitions using 10 leapfrog steps per transition would take 0.49 seconds.
## Chain 1: Adjust your expectations accordingly!
## Chain 1:
## Chain 1:
## Chain 1: Iteration:
                        1 / 2000 [ 0%] (Warmup)
## Chain 1: Iteration: 200 / 2000 [ 10%]
                                           (Warmup)
## Chain 1: Iteration: 400 / 2000 [ 20%]
                                           (Warmup)
## Chain 1: Iteration: 600 / 2000 [ 30%]
                                           (Warmup)
## Chain 1: Iteration: 800 / 2000 [ 40%]
                                           (Warmup)
## Chain 1: Iteration: 1000 / 2000 [ 50%]
                                           (Warmup)
## Chain 1: Iteration: 1001 / 2000 [ 50%]
                                           (Sampling)
## Chain 1: Iteration: 1200 / 2000 [ 60%]
                                           (Sampling)
## Chain 1: Iteration: 1400 / 2000 [ 70%]
                                          (Sampling)
## Chain 1: Iteration: 1600 / 2000 [ 80%]
                                           (Sampling)
## Chain 1: Iteration: 1800 / 2000 [ 90%]
                                           (Sampling)
## Chain 1: Iteration: 2000 / 2000 [100%]
                                          (Sampling)
## Chain 1:
## Chain 1: Elapsed Time: 0.867 seconds (Warm-up)
## Chain 1:
                           0.297 seconds (Sampling)
## Chain 1:
                          1.164 seconds (Total)
## Chain 1:
##
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 2).
## Chain 2:
## Chain 2: Gradient evaluation took 3.6e-05 seconds
## Chain 2: 1000 transitions using 10 leapfrog steps per transition would take 0.36 seconds.
## Chain 2: Adjust your expectations accordingly!
## Chain 2:
## Chain 2:
## Chain 2: Iteration:
                         1 / 2000 [ 0%] (Warmup)
## Chain 2: Iteration: 200 / 2000 [ 10%]
                                           (Warmup)
## Chain 2: Iteration: 400 / 2000 [ 20%]
                                           (Warmup)
## Chain 2: Iteration: 600 / 2000 [ 30%]
                                           (Warmup)
## Chain 2: Iteration: 800 / 2000 [ 40%]
                                           (Warmup)
## Chain 2: Iteration: 1000 / 2000 [ 50%]
                                           (Warmup)
```

```
## Chain 2: Iteration: 1001 / 2000 [ 50%]
                                           (Sampling)
## Chain 2: Iteration: 1200 / 2000 [ 60%]
                                           (Sampling)
## Chain 2: Iteration: 1400 / 2000 [ 70%]
                                           (Sampling)
## Chain 2: Iteration: 1600 / 2000 [ 80%]
                                           (Sampling)
## Chain 2: Iteration: 1800 / 2000 [ 90%]
                                           (Sampling)
## Chain 2: Iteration: 2000 / 2000 [100%]
                                           (Sampling)
## Chain 2:
## Chain 2: Elapsed Time: 0.924 seconds (Warm-up)
## Chain 2:
                           0.382 seconds (Sampling)
## Chain 2:
                           1.306 seconds (Total)
## Chain 2:
##
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 3).
## Chain 3:
## Chain 3: Gradient evaluation took 3.8e-05 seconds
## Chain 3: 1000 transitions using 10 leapfrog steps per transition would take 0.38 seconds.
## Chain 3: Adjust your expectations accordingly!
## Chain 3:
## Chain 3:
## Chain 3: Iteration:
                          1 / 2000 [ 0%] (Warmup)
## Chain 3: Iteration: 200 / 2000 [ 10%]
                                           (Warmup)
## Chain 3: Iteration: 400 / 2000 [ 20%]
                                           (Warmup)
## Chain 3: Iteration: 600 / 2000 [ 30%]
                                           (Warmup)
## Chain 3: Iteration: 800 / 2000 [ 40%]
                                           (Warmup)
## Chain 3: Iteration: 1000 / 2000 [ 50%]
                                           (Warmup)
## Chain 3: Iteration: 1001 / 2000 [ 50%]
                                           (Sampling)
## Chain 3: Iteration: 1200 / 2000 [ 60%]
                                           (Sampling)
## Chain 3: Iteration: 1400 / 2000 [ 70%]
                                           (Sampling)
## Chain 3: Iteration: 1600 / 2000 [ 80%]
                                           (Sampling)
## Chain 3: Iteration: 1800 / 2000 [ 90%]
                                           (Sampling)
## Chain 3: Iteration: 2000 / 2000 [100%]
                                           (Sampling)
## Chain 3:
## Chain 3: Elapsed Time: 0.892 seconds (Warm-up)
## Chain 3:
                           0.593 seconds (Sampling)
## Chain 3:
                           1.485 seconds (Total)
## Chain 3:
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 4).
## Chain 4:
```

```
## Chain 4: Gradient evaluation took 3.4e-05 seconds
## Chain 4: 1000 transitions using 10 leapfrog steps per transition would take 0.34 seconds.
## Chain 4: Adjust your expectations accordingly!
## Chain 4:
## Chain 4:
## Chain 4: Iteration: 1 / 2000 [ 0%] (Warmup)
## Chain 4: Iteration: 200 / 2000 [ 10%] (Warmup)
## Chain 4: Iteration: 400 / 2000 [ 20%] (Warmup)
## Chain 4: Iteration: 600 / 2000 [ 30%] (Warmup)
## Chain 4: Iteration: 800 / 2000 [ 40%] (Warmup)
## Chain 4: Iteration: 1000 / 2000 [ 50%]
                                          (Warmup)
## Chain 4: Iteration: 1001 / 2000 [ 50%] (Sampling)
## Chain 4: Iteration: 1200 / 2000 [ 60%] (Sampling)
## Chain 4: Iteration: 1400 / 2000 [ 70%] (Sampling)
## Chain 4: Iteration: 1600 / 2000 [ 80%] (Sampling)
## Chain 4: Iteration: 1800 / 2000 [ 90%]
                                          (Sampling)
## Chain 4: Iteration: 2000 / 2000 [100%] (Sampling)
## Chain 4:
## Chain 4: Elapsed Time: 0.888 seconds (Warm-up)
## Chain 4:
                          0.543 seconds (Sampling)
## Chain 4:
                          1.431 seconds (Total)
## Chain 4:
```

model\_parameters(PA\_on\_SM\_count\_day\_bayes, centrality = "mean")

Parameter <chr></chr>	Component <chr></chr>	<b>Mean</b> <dbl></dbl>	CI <dbl></dbl>	CI_low <dbl></dbl>
b_Intercept	conditional	4.54957999	0.95	-14.7283223
b_SM_Pos_p	conditional	0.68019455	0.95	0.3096230
b_SM_Pos_p_c	conditional	-0.06717881	0.95	-0.3208620
b_day_in_study	conditional	0.06046748	0.95	-0.6614078
sigma	sigma	65.91424942	0.95	61.5827751
5 rows   1-5 of 10 columns				

standard\_error(PA\_on\_SM\_count\_day\_bayes)

Parameter <chr></chr>	SE <dbl></dbl>
b_Intercept	9.5963646
b_SM_Pos_p	0.1841110
b_SM_Pos_p_c	0.1318513
b_day_in_study	0.3604825
sigma	2.2846290
5 rows	

# Negative Affect on SM predicting social media use

	<b>npar</b> <dbl></dbl>	AIC <dbl></dbl>	BIC <dbl></dbl>	logLik <dbl></dbl>	deviance <dbl></dbl>	Chisq <dbl></dbl>
model1	6	3031.702	3053.884	-1509.851	3019.702	NA
model2	8	3032.223	3061.799	-1508.111	3016.223	3.479141
2 rows   1-7 of	9 columns					

```
model3 <- lmer(count_sm_p ~ SM_Neg_p + SM_Neg_p_c + day_in_study + (1 | pid), data = day)
model4 <- lmer(count_sm_p ~ SM_Neg_p + SM_Neg_p_c + day_in_study + (1 + SM_Neg_p | pid), data = day)
anova(model3, model4)</pre>
```

	<b>npar</b> <dbl></dbl>	AIC <dbl></dbl>	BIC <dbl></dbl>	logLik <dbl></dbl>	deviance <dbl></dbl>	Chisq <dbl></dbl>	Df <dbl> ▶</dbl>
model3	6	3355.542	3377.724	-1671.771	3343.542	NA	NA
model4	8	3359.542	3389.119	-1671.771	3343.542	0	2
2 rows   1-8 of	9 columns						

### 

## Negative affect & minutes of SM

NA\_on\_SM\_day\_bayes <- brm(sum\_sm\_p ~ SM\_Neg\_p + SM\_Neg\_p\_c + day\_in\_study + (1 | pid), prior = prior1, data = day)

```
##
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 1).
## Chain 1:
## Chain 1: Gradient evaluation took 5.4e-05 seconds
## Chain 1: 1000 transitions using 10 leapfrog steps per transition would take 0.54 seconds.
## Chain 1: Adjust your expectations accordingly!
## Chain 1:
## Chain 1:
## Chain 1: Iteration:
                        1 / 2000 [ 0%] (Warmup)
## Chain 1: Iteration: 200 / 2000 [ 10%]
                                           (Warmup)
## Chain 1: Iteration: 400 / 2000 [ 20%]
                                           (Warmup)
## Chain 1: Iteration: 600 / 2000 [ 30%]
                                           (Warmup)
## Chain 1: Iteration: 800 / 2000 [ 40%]
                                           (Warmup)
## Chain 1: Iteration: 1000 / 2000 [ 50%]
                                           (Warmup)
## Chain 1: Iteration: 1001 / 2000 [ 50%]
                                           (Sampling)
## Chain 1: Iteration: 1200 / 2000 [ 60%]
                                           (Sampling)
## Chain 1: Iteration: 1400 / 2000 [ 70%]
                                          (Sampling)
## Chain 1: Iteration: 1600 / 2000 [ 80%]
                                           (Sampling)
## Chain 1: Iteration: 1800 / 2000 [ 90%]
                                           (Sampling)
## Chain 1: Iteration: 2000 / 2000 [100%]
                                          (Sampling)
## Chain 1:
## Chain 1: Elapsed Time: 0.41 seconds (Warm-up)
## Chain 1:
                           0.284 seconds (Sampling)
## Chain 1:
                          0.694 seconds (Total)
## Chain 1:
##
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 2).
## Chain 2:
## Chain 2: Gradient evaluation took 2.4e-05 seconds
## Chain 2: 1000 transitions using 10 leapfrog steps per transition would take 0.24 seconds.
## Chain 2: Adjust your expectations accordingly!
## Chain 2:
## Chain 2:
## Chain 2: Iteration:
                         1 / 2000 [ 0%] (Warmup)
## Chain 2: Iteration: 200 / 2000 [ 10%]
                                           (Warmup)
## Chain 2: Iteration: 400 / 2000 [ 20%]
                                           (Warmup)
## Chain 2: Iteration: 600 / 2000 [ 30%]
                                           (Warmup)
## Chain 2: Iteration: 800 / 2000 [ 40%]
                                           (Warmup)
## Chain 2: Iteration: 1000 / 2000 [ 50%]
                                           (Warmup)
```

```
## Chain 2: Iteration: 1001 / 2000 [ 50%]
                                           (Sampling)
## Chain 2: Iteration: 1200 / 2000 [ 60%]
                                           (Sampling)
## Chain 2: Iteration: 1400 / 2000 [ 70%]
                                           (Sampling)
## Chain 2: Iteration: 1600 / 2000 [ 80%]
                                           (Sampling)
## Chain 2: Iteration: 1800 / 2000 [ 90%]
                                           (Sampling)
## Chain 2: Iteration: 2000 / 2000 [100%]
                                           (Sampling)
## Chain 2:
## Chain 2: Elapsed Time: 0.36 seconds (Warm-up)
## Chain 2:
                           0.299 seconds (Sampling)
## Chain 2:
                           0.659 seconds (Total)
## Chain 2:
##
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 3).
## Chain 3:
## Chain 3: Gradient evaluation took 1.8e-05 seconds
## Chain 3: 1000 transitions using 10 leapfrog steps per transition would take 0.18 seconds.
## Chain 3: Adjust your expectations accordingly!
## Chain 3:
## Chain 3:
## Chain 3: Iteration:
                          1 / 2000 [ 0%] (Warmup)
## Chain 3: Iteration: 200 / 2000 [ 10%]
                                           (Warmup)
## Chain 3: Iteration: 400 / 2000 [ 20%]
                                           (Warmup)
## Chain 3: Iteration: 600 / 2000 [ 30%]
                                           (Warmup)
## Chain 3: Iteration: 800 / 2000 [ 40%]
                                           (Warmup)
## Chain 3: Iteration: 1000 / 2000 [ 50%]
                                           (Warmup)
## Chain 3: Iteration: 1001 / 2000 [ 50%]
                                           (Sampling)
## Chain 3: Iteration: 1200 / 2000 [ 60%]
                                           (Sampling)
## Chain 3: Iteration: 1400 / 2000 [ 70%]
                                           (Sampling)
## Chain 3: Iteration: 1600 / 2000 [ 80%]
                                           (Sampling)
## Chain 3: Iteration: 1800 / 2000 [ 90%]
                                           (Sampling)
## Chain 3: Iteration: 2000 / 2000 [100%]
                                           (Sampling)
## Chain 3:
## Chain 3: Elapsed Time: 0.398 seconds (Warm-up)
## Chain 3:
                           0.289 seconds (Sampling)
## Chain 3:
                           0.687 seconds (Total)
## Chain 3:
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 4).
## Chain 4:
```

```
## Chain 4: Gradient evaluation took 2e-05 seconds
## Chain 4: 1000 transitions using 10 leapfrog steps per transition would take 0.2 seconds.
## Chain 4: Adjust your expectations accordingly!
## Chain 4:
## Chain 4:
## Chain 4: Iteration: 1 / 2000 [ 0%] (Warmup)
## Chain 4: Iteration: 200 / 2000 [ 10%] (Warmup)
## Chain 4: Iteration: 400 / 2000 [ 20%] (Warmup)
## Chain 4: Iteration: 600 / 2000 [ 30%] (Warmup)
## Chain 4: Iteration: 800 / 2000 [ 40%] (Warmup)
## Chain 4: Iteration: 1000 / 2000 [ 50%] (Warmup)
## Chain 4: Iteration: 1001 / 2000 [ 50%] (Sampling)
## Chain 4: Iteration: 1200 / 2000 [ 60%] (Sampling)
## Chain 4: Iteration: 1400 / 2000 [ 70%] (Sampling)
## Chain 4: Iteration: 1600 / 2000 [ 80%] (Sampling)
## Chain 4: Iteration: 1800 / 2000 [ 90%]
                                          (Sampling)
## Chain 4: Iteration: 2000 / 2000 [100%] (Sampling)
## Chain 4:
## Chain 4: Elapsed Time: 0.381 seconds (Warm-up)
## Chain 4:
                          0.294 seconds (Sampling)
## Chain 4:
                          0.675 seconds (Total)
## Chain 4:
```

model\_parameters(NA\_on\_SM\_day\_bayes, centrality = "mean")

Parameter <chr></chr>	Component <chr></chr>	<b>Mean</b> <dbl></dbl>	CI <dbl></dbl>	CI_low <dbl></dbl>
b_Intercept	conditional	13.59640658	0.95	4.034064937
b_SM_Neg_p	conditional	0.29051298	0.95	0.005824447
b_SM_Neg_p_c	conditional	-0.01332383	0.95	-0.390223391
b_day_in_study	conditional	-0.58318840	0.95	-1.064701381
sigma	sigma	38.69553425	0.95	35.741283945
5 rows   1-5 of 10 columns				

standard\_error(NA\_on\_SM\_day\_bayes)

Parameter <chr></chr>	SE <dbl></dbl>
b_Intercept	5.1075771
b_SM_Neg_p	0.1450079
b_SM_Neg_p_c	0.1907885
b_day_in_study	0.2449025
sigma	1.5784242
5 rows	

## Negative affect & SM checks

NA\_on\_SM\_count\_day\_bayes <- brm(count\_sm\_p ~ SM\_Neg\_p + SM\_Neg\_p\_c + day\_in\_study + (1 | pid), prior = prior1, data = day)

```
##
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 1).
## Chain 1:
## Chain 1: Gradient evaluation took 7.8e-05 seconds
## Chain 1: 1000 transitions using 10 leapfrog steps per transition would take 0.78 seconds.
## Chain 1: Adjust your expectations accordingly!
## Chain 1:
## Chain 1:
## Chain 1: Iteration:
                        1 / 2000 [ 0%] (Warmup)
## Chain 1: Iteration: 200 / 2000 [ 10%]
                                           (Warmup)
## Chain 1: Iteration: 400 / 2000 [ 20%]
                                           (Warmup)
## Chain 1: Iteration: 600 / 2000 [ 30%]
                                           (Warmup)
## Chain 1: Iteration: 800 / 2000 [ 40%]
                                           (Warmup)
## Chain 1: Iteration: 1000 / 2000 [ 50%]
                                           (Warmup)
## Chain 1: Iteration: 1001 / 2000 [ 50%]
                                           (Sampling)
## Chain 1: Iteration: 1200 / 2000 [ 60%]
                                           (Sampling)
## Chain 1: Iteration: 1400 / 2000 [ 70%]
                                          (Sampling)
## Chain 1: Iteration: 1600 / 2000 [ 80%]
                                           (Sampling)
## Chain 1: Iteration: 1800 / 2000 [ 90%]
                                           (Sampling)
## Chain 1: Iteration: 2000 / 2000 [100%]
                                          (Sampling)
## Chain 1:
## Chain 1: Elapsed Time: 0.575 seconds (Warm-up)
## Chain 1:
                           0.303 seconds (Sampling)
## Chain 1:
                          0.878 seconds (Total)
## Chain 1:
##
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 2).
## Chain 2:
## Chain 2: Gradient evaluation took 7.2e-05 seconds
## Chain 2: 1000 transitions using 10 leapfrog steps per transition would take 0.72 seconds.
## Chain 2: Adjust your expectations accordingly!
## Chain 2:
## Chain 2:
## Chain 2: Iteration:
                         1 / 2000 [ 0%] (Warmup)
## Chain 2: Iteration: 200 / 2000 [ 10%]
                                           (Warmup)
## Chain 2: Iteration: 400 / 2000 [ 20%]
                                           (Warmup)
## Chain 2: Iteration: 600 / 2000 [ 30%]
                                           (Warmup)
## Chain 2: Iteration: 800 / 2000 [ 40%]
                                           (Warmup)
## Chain 2: Iteration: 1000 / 2000 [ 50%]
                                           (Warmup)
```

```
## Chain 2: Iteration: 1001 / 2000 [ 50%]
                                           (Sampling)
## Chain 2: Iteration: 1200 / 2000 [ 60%]
                                           (Sampling)
## Chain 2: Iteration: 1400 / 2000 [ 70%]
                                           (Sampling)
## Chain 2: Iteration: 1600 / 2000 [ 80%]
                                           (Sampling)
## Chain 2: Iteration: 1800 / 2000 [ 90%]
                                           (Sampling)
## Chain 2: Iteration: 2000 / 2000 [100%]
                                           (Sampling)
## Chain 2:
## Chain 2: Elapsed Time: 0.603 seconds (Warm-up)
## Chain 2:
                           0.367 seconds (Sampling)
## Chain 2:
                           0.97 seconds (Total)
## Chain 2:
##
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 3).
## Chain 3:
## Chain 3: Gradient evaluation took 2.5e-05 seconds
## Chain 3: 1000 transitions using 10 leapfrog steps per transition would take 0.25 seconds.
## Chain 3: Adjust your expectations accordingly!
## Chain 3:
## Chain 3:
## Chain 3: Iteration:
                          1 / 2000 [ 0%] (Warmup)
## Chain 3: Iteration: 200 / 2000 [ 10%]
                                           (Warmup)
## Chain 3: Iteration: 400 / 2000 [ 20%]
                                           (Warmup)
## Chain 3: Iteration: 600 / 2000 [ 30%]
                                           (Warmup)
## Chain 3: Iteration: 800 / 2000 [ 40%]
                                           (Warmup)
## Chain 3: Iteration: 1000 / 2000 [ 50%]
                                           (Warmup)
## Chain 3: Iteration: 1001 / 2000 [ 50%]
                                           (Sampling)
## Chain 3: Iteration: 1200 / 2000 [ 60%]
                                           (Sampling)
## Chain 3: Iteration: 1400 / 2000 [ 70%]
                                           (Sampling)
## Chain 3: Iteration: 1600 / 2000 [ 80%]
                                           (Sampling)
## Chain 3: Iteration: 1800 / 2000 [ 90%]
                                           (Sampling)
## Chain 3: Iteration: 2000 / 2000 [100%]
                                           (Sampling)
## Chain 3:
## Chain 3: Elapsed Time: 0.56 seconds (Warm-up)
## Chain 3:
                           0.344 seconds (Sampling)
## Chain 3:
                           0.904 seconds (Total)
## Chain 3:
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 4).
## Chain 4:
```

```
## Chain 4: Gradient evaluation took 2.5e-05 seconds
## Chain 4: 1000 transitions using 10 leapfrog steps per transition would take 0.25 seconds.
## Chain 4: Adjust your expectations accordingly!
## Chain 4:
## Chain 4:
## Chain 4: Iteration: 1 / 2000 [ 0%] (Warmup)
## Chain 4: Iteration: 200 / 2000 [ 10%] (Warmup)
## Chain 4: Iteration: 400 / 2000 [ 20%] (Warmup)
## Chain 4: Iteration: 600 / 2000 [ 30%] (Warmup)
## Chain 4: Iteration: 800 / 2000 [ 40%] (Warmup)
## Chain 4: Iteration: 1000 / 2000 [ 50%] (Warmup)
## Chain 4: Iteration: 1001 / 2000 [ 50%] (Sampling)
## Chain 4: Iteration: 1200 / 2000 [ 60%] (Sampling)
## Chain 4: Iteration: 1400 / 2000 [ 70%] (Sampling)
## Chain 4: Iteration: 1600 / 2000 [ 80%] (Sampling)
## Chain 4: Iteration: 1800 / 2000 [ 90%]
                                          (Sampling)
## Chain 4: Iteration: 2000 / 2000 [100%] (Sampling)
## Chain 4:
## Chain 4: Elapsed Time: 0.564 seconds (Warm-up)
## Chain 4:
                          0.401 seconds (Sampling)
## Chain 4:
                          0.965 seconds (Total)
## Chain 4:
```

model\_parameters(NA\_on\_SM\_count\_day\_bayes, centrality = "mean")

Parameter <chr></chr>	Component <chr></chr>	<b>Mean</b> <dbl></dbl>	CI <dbl></dbl>	CI_low <dbl></dbl>
b_Intercept	conditional	9.8419122	0.95	-7.35982963
b_SM_Neg_p	conditional	0.5579183	0.95	0.07663445
b_SM_Neg_p_c	conditional	0.1834687	0.95	-0.45132377
b_day_in_study	conditional	-0.5688134	0.95	-1.42628790
sigma	sigma	66.6459040	0.95	61.70979798
5 rows   1-5 of 10 columns				

standard\_error(NA\_on\_SM\_count\_day\_bayes)

Parameter <chr></chr>	SE <dbl></dbl>
b_Intercept	8.6086321
b_SM_Neg_p	0.2493678
b_SM_Neg_p_c	0.3242815
b_day_in_study	0.4330930
sigma	2.7163604
5 rows	