# Affect and SM Use - SMASH Study

Melissa Dreier 03/29/2023

## **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

```
#-----#
## 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 + sum_sm_p | pid), prior = prior1, d
ata = day)</pre>
```

```
##
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 1).
## Chain 1:
## Chain 1: Gradient evaluation took 8.6e-05 seconds
## Chain 1: 1000 transitions using 10 leapfrog steps per transition would take 0.86 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: 1.976 seconds (Warm-up)
## Chain 1:
                           0.857 seconds (Sampling)
## Chain 1:
                           2.833 seconds (Total)
## Chain 1:
##
## SAMPLING FOR MODEL 'anon_model' NOW (CHAIN 2).
## Chain 2:
## Chain 2: Gradient evaluation took 9.7e-05 seconds
## Chain 2: 1000 transitions using 10 leapfrog steps per transition would take 0.97 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: 1.926 seconds (Warm-up)
## Chain 2:
                           0.918 seconds (Sampling)
## Chain 2:
                           2.844 seconds (Total)
## Chain 2:
##
## SAMPLING FOR MODEL 'anon_model' NOW (CHAIN 3).
## Chain 3:
## Chain 3: Gradient evaluation took 4.6e-05 seconds
## Chain 3: 1000 transitions using 10 leapfrog steps per transition would take 0.46 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: 1.988 seconds (Warm-up)
## Chain 3:
                           0.834 seconds (Sampling)
## Chain 3:
                           2.822 seconds (Total)
## Chain 3:
##
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 4).
## Chain 4:
```

```
## Chain 4: Gradient evaluation took 4.2e-05 seconds
## Chain 4: 1000 transitions using 10 leapfrog steps per transition would take 0.42 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: 1.789 seconds (Warm-up)
## Chain 4:
                          0.833 seconds (Sampling)
## Chain 4:
                          2.622 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>	Cl_high <dbl></dbl>	<b>pd</b> <dbl></dbl>	ROPE_Percentage <dbl></dbl>
b_Intercept	conditional	-1.607877917	0.95	-7.067876626	3.71278235	0.71250	0.4476316
b_sum_sm_p	conditional	0.027889002	0.95	-0.032444822	0.09202304	0.81600	1.0000000
b_NAf_am_p	conditional	0.117870780	0.95	0.008860257	0.22707300	0.98325	1.0000000
b_sum_sm_p_c	conditional	-0.008577995	0.95	-0.051133156	0.03418477	0.65025	1.0000000
b_day_in_study	conditional	0.108821954	0.95	-0.140665825	0.35025145	0.81225	1.0000000
sigma	sigma	17.979698303	0.95	16.580657719	19.50594608	1.00000	0.0000000

#### 6 rows | 1-8 of 10 columns

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

Parameter <chr></chr>	SE <dbl></dbl>
b_Intercept	2.73320737
b_sum_sm_p	0.03128799
b_NAf_am_p	0.05536227
b_sum_sm_p_c	0.02164740
b_day_in_study	0.12470028
sigma	0.75124280
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 + count\_sm\_p | pid), prior = p rior1, data = day)

```
##
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 1).
## Chain 1:
## Chain 1: Gradient evaluation took 7.9e-05 seconds
## Chain 1: 1000 transitions using 10 leapfrog steps per transition would take 0.79 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: 2.773 seconds (Warm-up)
## Chain 1:
                           0.957 seconds (Sampling)
## Chain 1:
                           3.73 seconds (Total)
## Chain 1:
##
## SAMPLING FOR MODEL 'anon_model' NOW (CHAIN 2).
## Chain 2:
## Chain 2: Gradient evaluation took 5e-05 seconds
## Chain 2: 1000 transitions using 10 leapfrog steps per transition would take 0.5 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: 2.352 seconds (Warm-up)
## Chain 2:
                           0.795 seconds (Sampling)
## Chain 2:
                           3.147 seconds (Total)
## Chain 2:
##
## SAMPLING FOR MODEL 'anon_model' NOW (CHAIN 3).
## Chain 3:
## Chain 3: Gradient evaluation took 4.4e-05 seconds
## Chain 3: 1000 transitions using 10 leapfrog steps per transition would take 0.44 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: 2.548 seconds (Warm-up)
## Chain 3:
                           0.978 seconds (Sampling)
## Chain 3:
                           3.526 seconds (Total)
## Chain 3:
##
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 4).
## Chain 4:
```

```
## Chain 4: Gradient evaluation took 0.000121 seconds
## Chain 4: 1000 transitions using 10 leapfrog steps per transition would take 1.21 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: 2.735 seconds (Warm-up)
## Chain 4:
                          0.988 seconds (Sampling)
## Chain 4:
                          3.723 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>	<b>CI_low</b> <dbl></dbl>	Cl_high <dbl></dbl>	<b>pd</b> <dbl></dbl>	ROPE_Percentage <dbl></dbl>
b_Intercept	conditional	-1.430658412	0.95	-6.844364453	4.02217990	0.7010	0.4539474
b_count_sm_p	conditional	0.029643138	0.95	-0.009975013	0.06874422	0.9375	1.0000000
b_NAf_am_p	conditional	0.117512715	0.95	0.009557835	0.22402701	0.9860	1.0000000
b_count_sm_p_c	conditional	-0.006546888	0.95	-0.031738137	0.01848651	0.6925	1.0000000
b_day_in_study	conditional	0.111876095	0.95	-0.118300829	0.35180517	0.8255	1.0000000
sigma	sigma	17.906287639	0.95	16.559754930	19.36215584	1.0000	0.0000000

6 rows | 1-8 of 10 columns

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

Parameter <chr></chr>	SE <dbl></dbl>
b_Intercept	2.77263092
b_count_sm_p	0.01968540
b_NAf_am_p	0.05428890
b_count_sm_p_c	0.01267204
b_day_in_study	0.11849605
sigma	0.72798541
6 rows	

## Positive Affect on SM predicting social media use

```
#-----#

## 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 + SM_Pos_p | pid), prior = prior1, data = day)
```

```
##
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 1).
## Chain 1:
## Chain 1: Gradient evaluation took 0.000125 seconds
## Chain 1: 1000 transitions using 10 leapfrog steps per transition would take 1.25 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: 2.396 seconds (Warm-up)
## Chain 1:
                           1.194 seconds (Sampling)
## Chain 1:
                           3.59 seconds (Total)
## Chain 1:
##
## SAMPLING FOR MODEL 'anon_model' NOW (CHAIN 2).
## Chain 2:
## Chain 2: Gradient evaluation took 9.4e-05 seconds
## Chain 2: 1000 transitions using 10 leapfrog steps per transition would take 0.94 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: 2.084 seconds (Warm-up)
## Chain 2:
                           1.289 seconds (Sampling)
## Chain 2:
                           3.373 seconds (Total)
## Chain 2:
##
## SAMPLING FOR MODEL 'anon_model' NOW (CHAIN 3).
## Chain 3:
## Chain 3: Gradient evaluation took 8.2e-05 seconds
## Chain 3: 1000 transitions using 10 leapfrog steps per transition would take 0.82 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: 2.124 seconds (Warm-up)
## Chain 3:
                           1.207 seconds (Sampling)
## Chain 3:
                           3.331 seconds (Total)
## Chain 3:
##
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 4).
## Chain 4:
```

```
## Chain 4: Gradient evaluation took 8.3e-05 seconds
## Chain 4: 1000 transitions using 10 leapfrog steps per transition would take 0.83 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: 2.353 seconds (Warm-up)
## Chain 4:
                          1.877 seconds (Sampling)
## Chain 4:
                          4.23 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>	Cl_high <dbl></dbl>	<b>pd</b> <dbl></dbl>	ROPE_Percentage <dbl></dbl>
b_Intercept	conditional	10.6443085	0.95	-0.23430964	21.15920213	0.97300	0.07736842
b_SM_Pos_p	conditional	0.2084224	0.95	-0.04013487	0.44801692	0.95375	1.00000000
b_SM_Pos_p_c	conditional	-0.0886777	0.95	-0.23465807	0.05704619	0.88375	1.00000000
b_day_in_study	conditional	-0.2762632	0.95	-0.68746951	0.11495150	0.92000	1.00000000
sigma	sigma	36.9762792	0.95	34.51838797	39.54235061	1.00000	0.00000000
5 rows   1-8 of 10 co	lumns						

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

Parameter <chr></chr>	SE <dbl></dbl>
b_Intercept	5.42288996
b_SM_Pos_p	0.12482176
b_SM_Pos_p_c	0.07483173
b_day_in_study	0.20072806
sigma	1.28092653
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 + SM\_Pos\_p | pid), prior = prior1, d ata = day)

```
##
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 1).
## Chain 1:
## Chain 1: Gradient evaluation took 0.000146 seconds
## Chain 1: 1000 transitions using 10 leapfrog steps per transition would take 1.46 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: 2.199 seconds (Warm-up)
## Chain 1:
                           1.318 seconds (Sampling)
## Chain 1:
                           3.517 seconds (Total)
## Chain 1:
##
## SAMPLING FOR MODEL 'anon_model' NOW (CHAIN 2).
## Chain 2:
## Chain 2: Gradient evaluation took 6.4e-05 seconds
## Chain 2: 1000 transitions using 10 leapfrog steps per transition would take 0.64 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: 2.246 seconds (Warm-up)
## Chain 2:
                           1.169 seconds (Sampling)
## Chain 2:
                           3.415 seconds (Total)
## Chain 2:
##
## SAMPLING FOR MODEL 'anon_model' NOW (CHAIN 3).
## Chain 3:
## Chain 3: Gradient evaluation took 6.5e-05 seconds
## Chain 3: 1000 transitions using 10 leapfrog steps per transition would take 0.65 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: 2.265 seconds (Warm-up)
## Chain 3:
                           1.215 seconds (Sampling)
## Chain 3:
                           3.48 seconds (Total)
## Chain 3:
##
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 4).
## Chain 4:
```

```
## Chain 4: Gradient evaluation took 6.4e-05 seconds
## Chain 4: 1000 transitions using 10 leapfrog steps per transition would take 0.64 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: 2.344 seconds (Warm-up)
## Chain 4:
                          1.238 seconds (Sampling)
                          3.582 seconds (Total)
## Chain 4:
## Chain 4:
```

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

93 24.1715630 0.69375 0.4813158
50 1.1048230 0.99425 1.0000000
00 0.1898398 0.70425 1.0000000
23 0.7540591 0.55925 1.0000000
57 70.5101227 1.00000 0.0000000

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

Parameter <chr></chr>	SE <dbl></dbl>
b_Intercept	9.5967716
b_SM_Pos_p	0.2320490
b_SM_Pos_p_c	0.1319563
b_day_in_study	0.3579382
sigma	2.3434797
5 rows	

### Negative Affect on SM predicting social media use

```
#-----#

## 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 + SM_Neg_p | pid), prior = prior1, data = day)
```

```
##
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 1).
## Chain 1:
## Chain 1: Gradient evaluation took 0.000108 seconds
## Chain 1: 1000 transitions using 10 leapfrog steps per transition would take 1.08 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: 2.051 seconds (Warm-up)
## Chain 1:
                           1.713 seconds (Sampling)
## Chain 1:
                           3.764 seconds (Total)
## Chain 1:
##
## SAMPLING FOR MODEL 'anon_model' NOW (CHAIN 2).
## Chain 2:
## Chain 2: Gradient evaluation took 5.4e-05 seconds
## Chain 2: 1000 transitions using 10 leapfrog steps per transition would take 0.54 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: 1.712 seconds (Warm-up)
## Chain 2:
                           1.112 seconds (Sampling)
## Chain 2:
                           2.824 seconds (Total)
## Chain 2:
##
## SAMPLING FOR MODEL 'anon_model' NOW (CHAIN 3).
## Chain 3:
## Chain 3: Gradient evaluation took 6.2e-05 seconds
## Chain 3: 1000 transitions using 10 leapfrog steps per transition would take 0.62 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: 1.913 seconds (Warm-up)
## Chain 3:
                           1.264 seconds (Sampling)
## Chain 3:
                           3.177 seconds (Total)
## Chain 3:
##
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 4).
## Chain 4:
```

```
## Chain 4: Gradient evaluation took 0.000114 seconds
## Chain 4: 1000 transitions using 10 leapfrog steps per transition would take 1.14 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: 1.894 seconds (Warm-up)
## Chain 4:
                          1.863 seconds (Sampling)
## Chain 4:
                          3.757 seconds (Total)
## Chain 4:
```

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

Component <chr></chr>	<b>Mean</b> <dbl></dbl>	CI <dbl></dbl>	<b>CI_low</b> <dbl></dbl>	Cl_high <dbl></dbl>	<b>pd</b> <dbl></dbl>	ROPE_Percentage <a href="https://doi.org/10.25/10.25/"></a>
conditional	13.802749096	0.95	3.6600606	23.7639523	0.99625	0.001842105
conditional	0.220904880	0.95	-0.3086391	0.7244902	0.81425	1.000000000
conditional	-0.001602613	0.95	-0.3884623	0.3812172	0.50075	1.000000000
conditional	-0.610010898	0.95	-1.1031425	-0.1201161	0.99125	1.000000000
sigma	38.127004178	0.95	35.1418076	41.3879803	1.00000	0.000000000
	<chr> conditional conditional conditional conditional</chr>	<chr> <dbl>           conditional         13.802749096           conditional         0.220904880           conditional         -0.001602613           conditional         -0.610010898</dbl></chr>	<chr> <dbl><dbl>         conditional       13.802749096       0.95         conditional       0.220904880       0.95         conditional       -0.001602613       0.95         conditional       -0.610010898       0.95</dbl></dbl></chr>	<chr> <dbl><dbl><dbl>           conditional         13.802749096         0.95         3.6600606           conditional         0.220904880         0.95         -0.3086391           conditional         -0.001602613         0.95         -0.3884623           conditional         -0.610010898         0.95         -1.1031425</dbl></dbl></dbl></chr>	<chr> <dbl><dbl><dbl><dbl> <dbl>           conditional         13.802749096         0.95         3.6600606         23.7639523           conditional         0.220904880         0.95         -0.3086391         0.7244902           conditional         -0.001602613         0.95         -0.3884623         0.3812172           conditional         -0.610010898         0.95         -1.1031425         -0.1201161</dbl></dbl></dbl></dbl></dbl></chr>	<chr> <dbl><dbl><dbl><dbl> <dbl> <dbl> <dbl>           conditional         13.802749096         0.95         3.6600606         23.7639523         0.99625           conditional         0.220904880         0.95         -0.3086391         0.7244902         0.81425           conditional         -0.001602613         0.95         -0.3884623         0.3812172         0.50075           conditional         -0.610010898         0.95         -1.1031425         -0.1201161         0.99125</dbl></dbl></dbl></dbl></dbl></dbl></dbl></chr>

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

Parameter <chr></chr>	SE <dbl></dbl>
b_Intercept	5.1006554
b_SM_Neg_p	0.2594686
b_SM_Neg_p_c	0.1959804
b_day_in_study	0.2510308
sigma	1.6000163
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 + SM\_Neg\_p | pid), prior = prior1, d ata = day)

```
##
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 1).
## Chain 1:
## Chain 1: Gradient evaluation took 0.000122 seconds
## Chain 1: 1000 transitions using 10 leapfrog steps per transition would take 1.22 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: 1.922 seconds (Warm-up)
## Chain 1:
                           1.176 seconds (Sampling)
## Chain 1:
                           3.098 seconds (Total)
## Chain 1:
##
## SAMPLING FOR MODEL 'anon_model' NOW (CHAIN 2).
## Chain 2:
## Chain 2: Gradient evaluation took 4.9e-05 seconds
## Chain 2: 1000 transitions using 10 leapfrog steps per transition would take 0.49 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: 1.697 seconds (Warm-up)
## Chain 2:
                           1.018 seconds (Sampling)
## Chain 2:
                           2.715 seconds (Total)
## Chain 2:
##
## SAMPLING FOR MODEL 'anon_model' NOW (CHAIN 3).
## Chain 3:
## Chain 3: Gradient evaluation took 7.4e-05 seconds
## Chain 3: 1000 transitions using 10 leapfrog steps per transition would take 0.74 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: 1.625 seconds (Warm-up)
## Chain 3:
                           1.741 seconds (Sampling)
## Chain 3:
                           3.366 seconds (Total)
## Chain 3:
##
## SAMPLING FOR MODEL 'anon model' NOW (CHAIN 4).
## Chain 4:
```

```
## Chain 4: Gradient evaluation took 5.8e-05 seconds
## Chain 4: 1000 transitions using 10 leapfrog steps per transition would take 0.58 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: 1.651 seconds (Warm-up)
## Chain 4:
                          1.027 seconds (Sampling)
## Chain 4:
                          2.678 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>	<b>CI_low</b> <dbl></dbl>	<b>CI_high</b> <dbl></dbl>	<b>pd</b> <dbl></dbl>	ROPE_Percentage <dbl></dbl>
b_Intercept	conditional	9.9772362	0.95	-7.1348856	26.6619010	0.87600	0.3344737
b_SM_Neg_p	conditional	0.4742814	0.95	-0.2127720	1.1114373	0.91850	1.0000000
b_SM_Neg_p_c	conditional	0.1897906	0.95	-0.4434417	0.8357393	0.72325	1.0000000
b_day_in_study	conditional	-0.5805853	0.95	-1.4069396	0.2472054	0.91025	1.0000000
sigma	sigma	66.4564755	0.95	61.3106188	72.0971956	1.00000	0.0000000

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

Parameter <chr></chr>	SE <dbl></dbl>
b_Intercept	8.6242684
b_SM_Neg_p	0.3411673
b_SM_Neg_p_c	0.3254478
b_day_in_study	0.4200495
sigma	2.7582460
5 rows	