Replication file: Challenger issue entrepreneurship, mainstream strategies and public issue salience

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```
## load data
immig_full_data <- read_dta("Williams_Hunger_Final_EPSR_Data_final.dta")
```

Model 1 - 3

```
###Model 1
m1 <- glmer(
  immigration_mip_w2_3 ~ sal_immig_RRP + lr_self + age + sex_2 + edu +
    marital_2 + income + rural + ps_immig_sal_sansRRPw + east + noneu + wave_2 + (1 | id),
  data = immig_full_data,
  family = binomial(link = "logit")
)
# summary(m1)
# icc(m1)

###Model 2
m2 <- glmer(
  immigration_mip_w2_3 ~ sal_immig_RRP + cr_rr_pos_dist + cr_change_immig_pos + lr_self + age + sex_2 +
    marital_2 + income + rural + east + noneu + ps_immig_sal_sansRRPCRw + wave_2 + (1 | id),
  data = immig_full_data,
  family = binomial(link = "logit")
)
# summary(m2)
# icc(m2)


###Model 3
m3 <- glmer(
  immigration_mip_w2_3 ~ sal_immig_RRP + cl_rr_pos_dist + cl_change_immig_pos + lr_self + age + sex_2 +
    marital_2 + income + rural + east + noneu + ps_immig_sal_sansRRPCLw + wave_2 + (1 | id),
  data = immig_full_data,
  family = binomial(link = "logit")
)
# summary(m3)
# icc(m3)

screenreg(list(m1, m2, m3))
```

```
##
## ================================================================
##                           Model 1       Model 2       Model 3
## ----------------------------------------------------------------
## (Intercept)                -4.15 ***     -2.46 ***     -2.53 ***
##                            (0.42)        (0.47)        (0.70)
## sal_immig_RRP               0.07 **       0.16 ***      0.14 ***
##                            (0.02)        (0.03)        (0.03)
## lr_self                     0.09 ***      0.09 ***      0.09 ***
##                            (0.01)        (0.01)        (0.01)
## age                        -0.00         -0.00         -0.00
##                            (0.00)        (0.00)        (0.00)
## sex_2                      -0.04         -0.04         -0.04
##                            (0.04)        (0.04)        (0.04)
## edu                        -0.03         -0.03         -0.03
##                            (0.02)        (0.02)        (0.02)
## marital_2                  -0.04         -0.04         -0.04
##                            (0.05)        (0.05)        (0.05)
## income                     -0.02         -0.02         -0.02
##                            (0.02)        (0.02)        (0.02)
## rural                      -0.05         -0.05         -0.05
##                            (0.05)        (0.05)        (0.05)
## ps_immig_sal_sansRRPw       1.75 *
##                            (0.72)
## east                        0.40         -0.00         -0.87
##                            (0.88)        (0.75)        (0.91)
## noneu                       1.78 ***      1.46 ***      2.23 ***
##                            (0.44)        (0.36)        (0.40)
## wave_2                     -1.65 ***     -1.09 ***     -1.05 **
##                            (0.36)        (0.31)        (0.38)
## cr_rr_pos_dist                           -0.72 ***
##                                          (0.17)
## cr_change_immig_pos                       0.15
##                                          (0.14)
## ps_immig_sal_sansRRPCRw                  -1.90 *
##                                          (0.86)
## cl_rr_pos_dist                                         -0.77 **
##                                                        (0.30)
## cl_change_immig_pos                                     0.24
##                                                        (0.18)
## ps_immig_sal_sansRRPCLw                                 0.10
##                                                        (0.86)
## ----------------------------------------------------------------
## AIC                        16843.92      16839.77      16841.81
## BIC                        16955.58      16967.38      16969.42
## Log Likelihood             -8407.96      -8403.89      -8404.90
## Num. obs.                  21497         21497         21497
## Num. groups: id               15            15            15
## Var: id (Intercept)            0.27          0.15          0.18
## ================================================================
## *** p < 0.001; ** p < 0.01; * p < 0.05
```

Figure 1

```
###Figure 2
m1_plot<-ggpredict(m1, "sal_immig_RRP [0:50]", condition=c(age=47,
                                                          sex_2=0,
                                                          edu=2,
                                                          marital_2=1,
                                                          income=2,
                                                          rural=0,
                                                          east=0,
                                                          noneu=0,
                                                          wave_2=0,
                                                          lr_self=5,
                                                          ps_immig_sal_sansRRPw=.4269))

m1_plot_2<-plot(m1_plot)+
  geom_rug(data=immig_full_data, aes(x=sal_immig_RRP), sides="b", inherit.aes=F)


m1_plot_2+labs(x="Radical-Right Party Immigration Salience",
               y="Likelihood of Viewing Immigration as a MIP", title=NULL)+
  scale_y_continuous(labels=scales::number_format(accuracy=0.01, decimal.mark = "."))
```

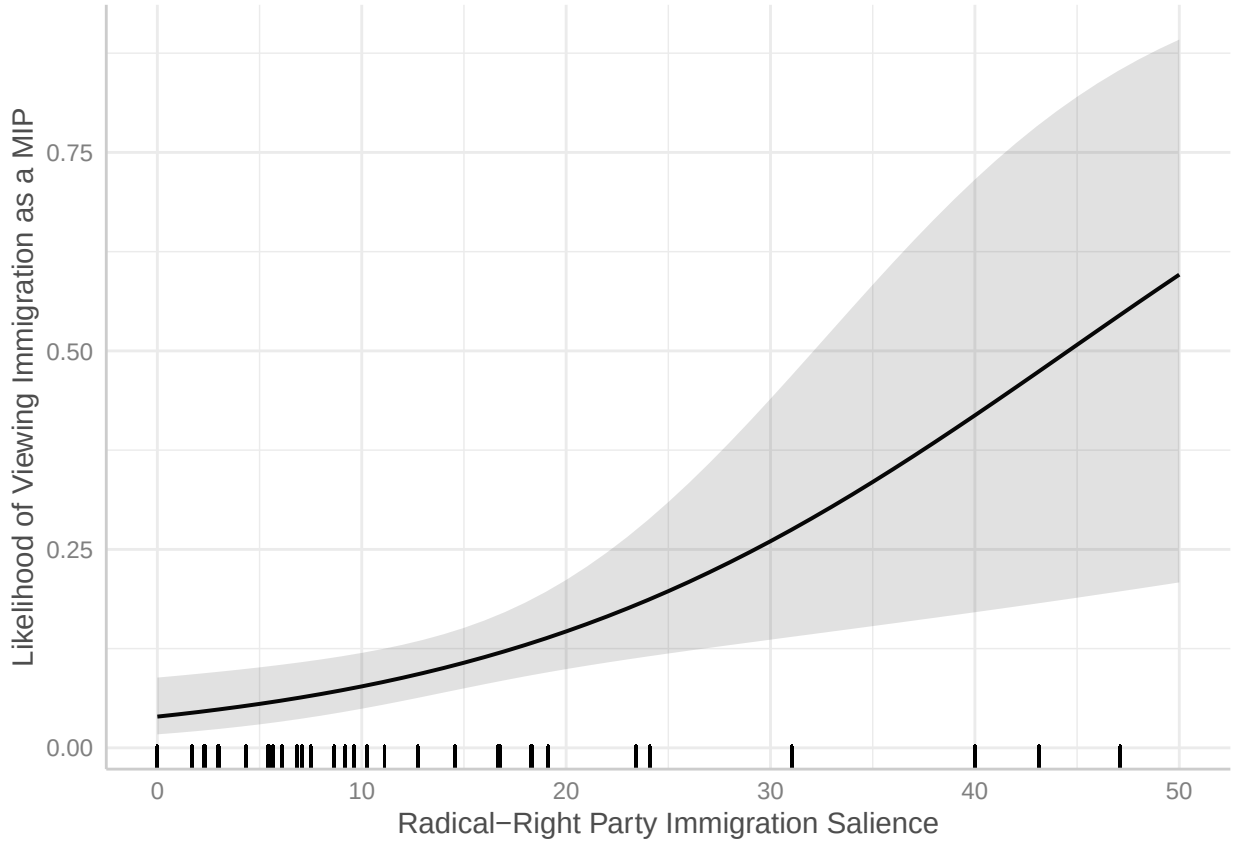
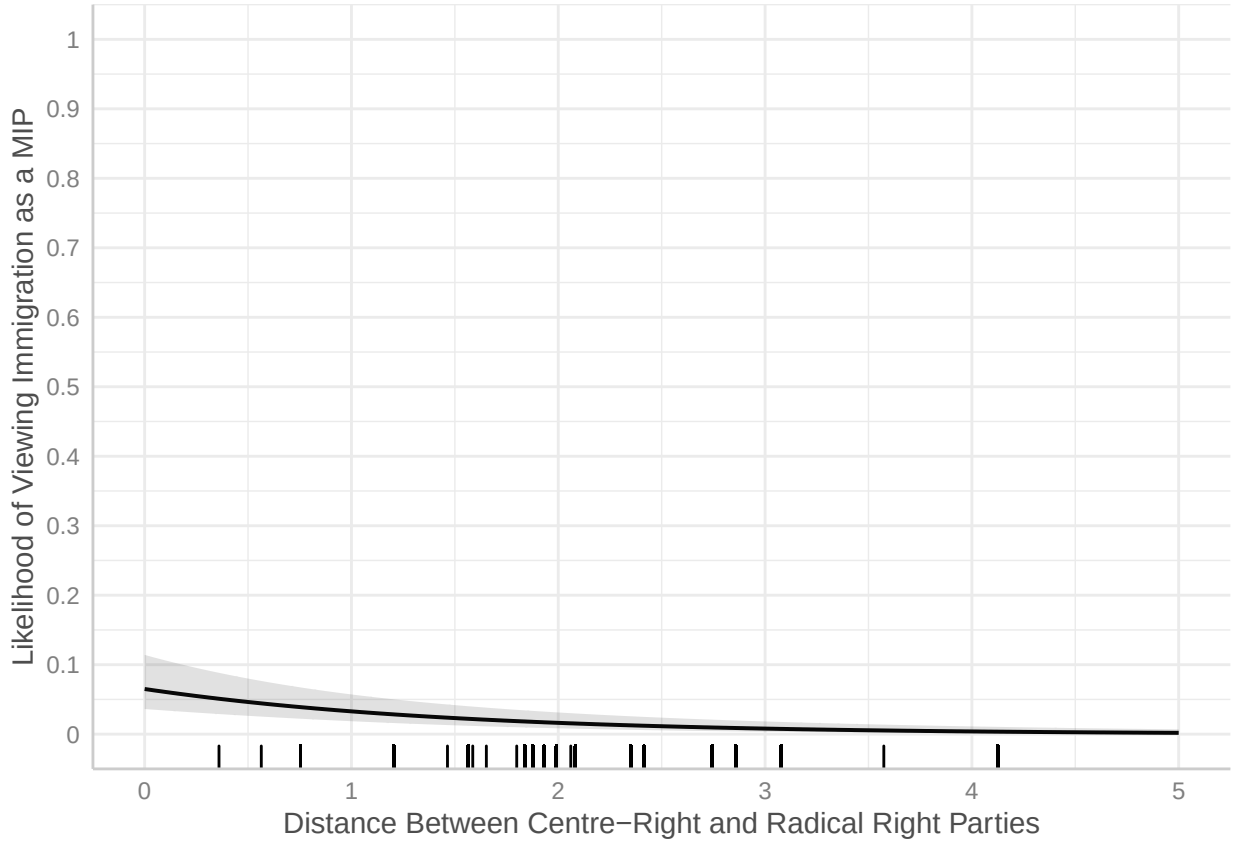
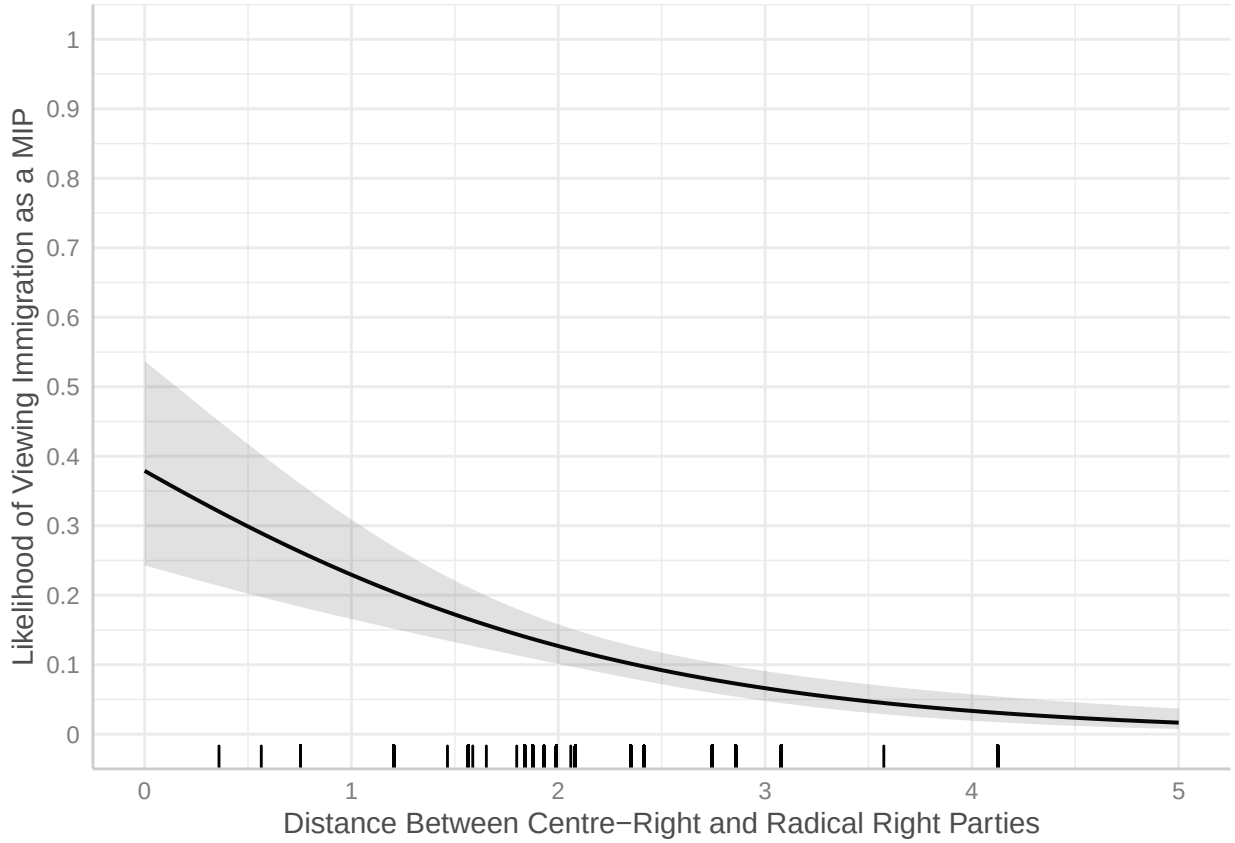


Figure 2 (1-3)

```
###Figure 2.1
immig_full_Jan212020_rugsubsetCR <- subset(immig_full_data, cr_rr_pos_dist>=0)

m2_1_plot<-ggpredict(m2, "cr_rr_pos_dist [0:5 by=.01]",
                     condition=c(sal_immig_RRP=1.706,
                                 cr_change_immig_pos=.041,
                                 age=47, sex_2=0,
                                 edu=2,
                                 marital_2=1,
                                 income=2,
                                 rural=0,
                                 east=0,
                                 noneu=0,
                                 wave_2=0,
                                 lr_self=5,
                                 ps_immig_sal_sansRRPCRw=.3690), ci.lvl=.90) %>%
  plot()

m2_1_plot +
  labs(x="Distance Between Centre-Right and Radical Right Parties",
               y="Likelihood of Viewing Immigration as a MIP", title=NULL)+
  scale_y_continuous(labels=seq(0.00, 1.00, .1), breaks=seq(0.00, 1.00, .1), limits=c(.00, 1.00))+
  geom_rug(data=immig_full_Jan212020_rugsubsetCR, aes(x=cr_rr_pos_dist), sides="b", inherit.aes=F)
```

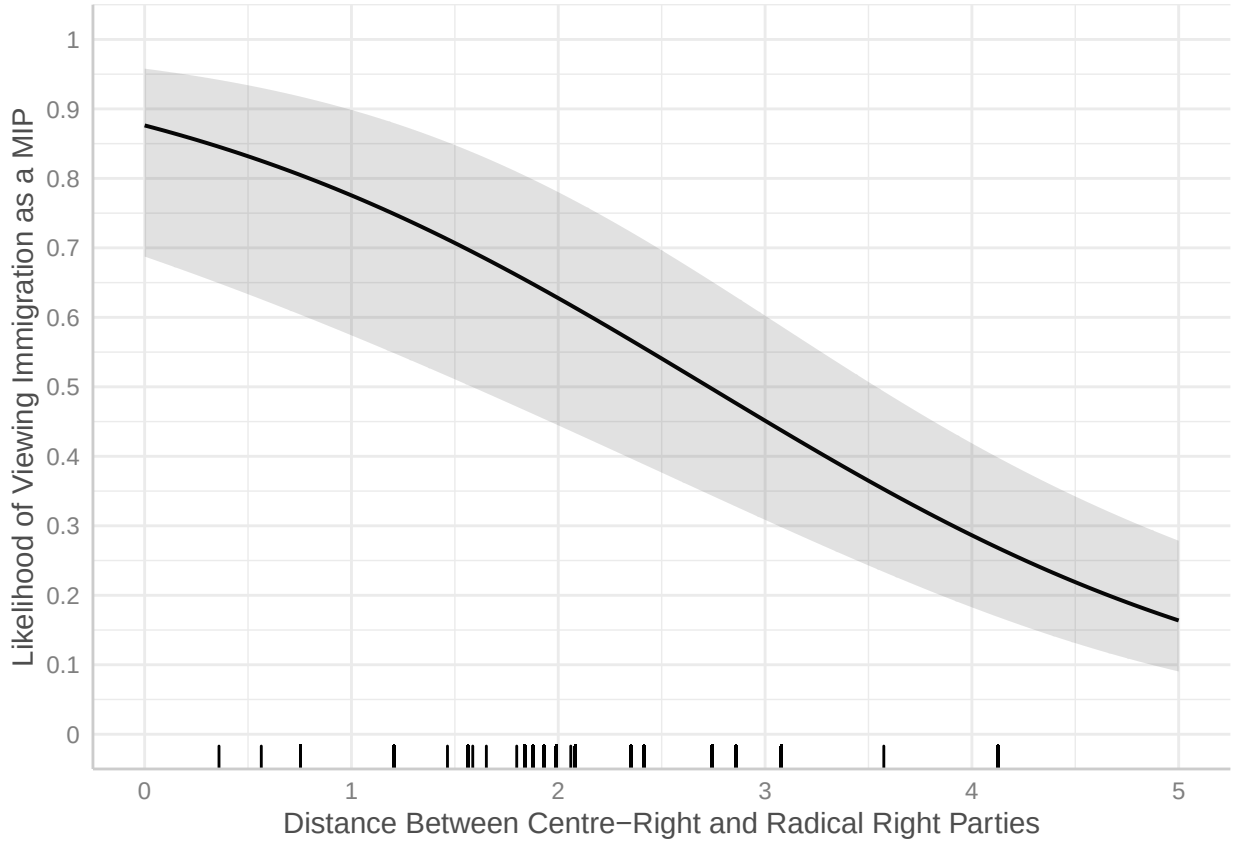


```
###Figure 2.2
m2_2_plot<-ggpredict(m2, "cr_rr_pos_dist [0:5 by=.01]", condition=c(sal_immig_RRP=15,
                                                                    cr_change_immig_pos=.041,
                                                                    age=47,
                                                                    sex_2=0,
                                                                    edu=2,
                                                                    marital_2=1,
                                                                    income=2,
                                                                    rural=0,
                                                                    east=0,
                                                                    noneu=0,
                                                                    wave_2=0,
                                                                    lr_self=5,
                                                                    ps_immig_sal_sansRRPCRw=.3690), ci.l
  plot()


m2_2_plot+labs(x="Distance Between Centre-Right and Radical Right Parties",
               y="Likelihood of Viewing Immigration as a MIP", title=NULL)+
  scale_y_continuous(labels=seq(0.00, 1.00, .1),
                     breaks=seq(0.00, 1.00, .1),
                     limits=c(.00, 1.00))+
  geom_rug(data=immig_full_Jan212020_rugsubsetCR,
           aes(x=cr_rr_pos_dist),
           sides="b",
           inherit.aes=F)
```




```
#########################################################################################################
###Figure 2.3
m2_4_plot<-ggpredict(m2, "cr_rr_pos_dist [0:5 by=.01]",
                     condition=c(sal_immig_RRP=30,
                                 cr_change_immig_pos=.041,
                                 age=47, sex_2=0,
                                 edu=2,
                                 marital_2=1,
                                 income=2,
                                 rural=0,
                                 east=0,
                                 noneu=0,
                                 wave_2=0,
                                 lr_self=5,
                                 ps_immig_sal_sansRRPCRw=.3690), ci.lvl=.90) %>%
  plot()

m2_4_plot+labs(x="Distance Between Centre-Right and Radical Right Parties",
               y="Likelihood of Viewing Immigration as a MIP",
               title=NULL) +
  scale_y_continuous(labels=seq(0.00, 1.00, .1),
                     breaks=seq(0.00, 1.00, .1),
                     limits=c(.00, 1.00))+
  geom_rug(data=immig_full_Jan212020_rugsubsetCR,
           aes(x=cr_rr_pos_dist),
           sides="b",
```

```
            inherit.aes=F)
```



Model 4 & 5

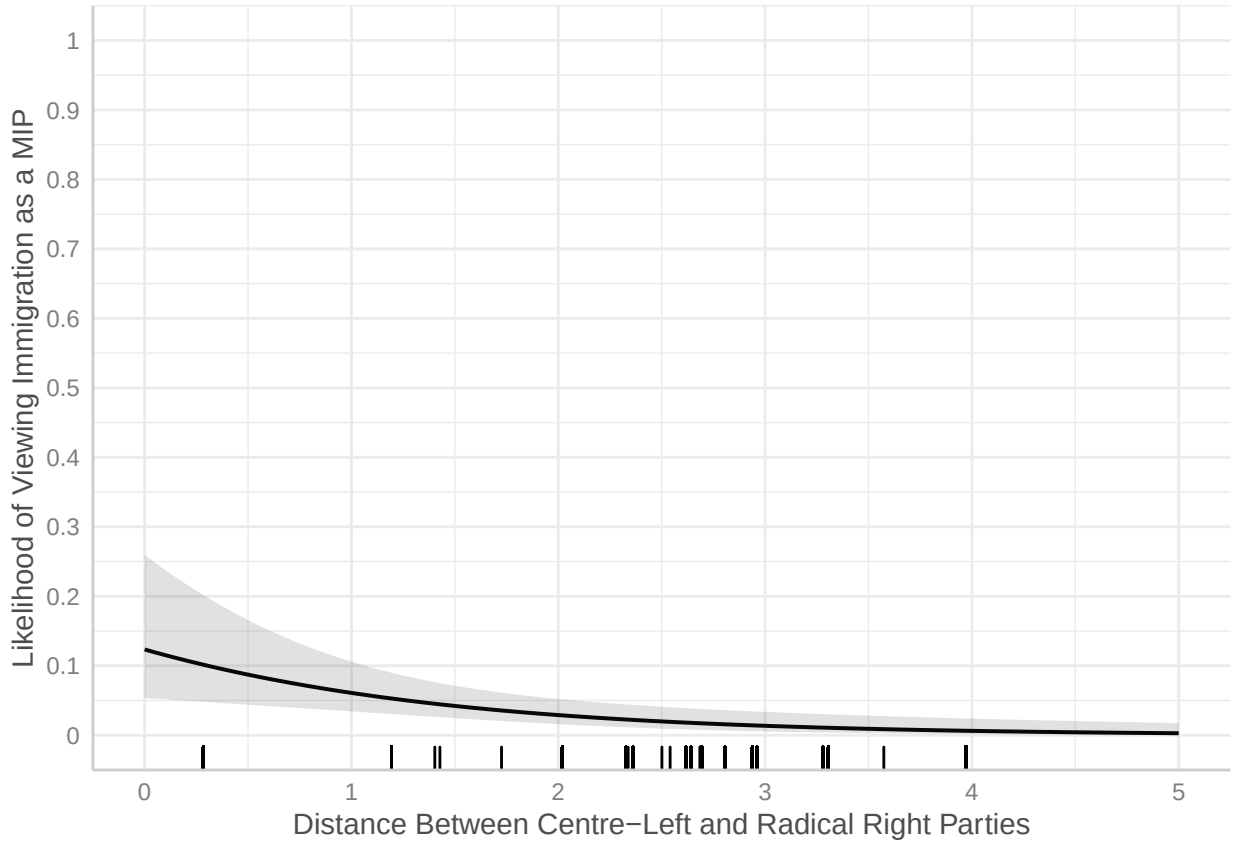
```
immig_full_w2w3<-subset(immig_full_data, w2==1|w3==1)
###Model 4
m4 <- lmer(
  dis_like ~ cr_rr_pos_dist + cr_change_immig_pos + sal_immig_RRP + lr_self + age + sex_2 + edu +
    marital_2 + income + rural + east + noneu + ps_immig_sal_sansRRPCRw +wave_2 + (1 | id),
  data = immig_full_w2w3,
  REML=TRUE)
#summary(m4)
#icc(m4)

###Model 5
m5 <- lmer(
  dis_like ~ cl_rr_pos_dist + cl_change_immig_pos + sal_immig_RRP + lr_self+ age + sex_2 + edu +
    marital_2 + income + rural + east + noneu + ps_immig_sal_sansRRPCLw + wave_2 + (1 | id),
  data = immig_full_w2w3,
  REML=TRUE)

#summary(m5)
#icc(m5)
```

```
screenreg(list(m4, m5),
          custom.model.names = c("Model 4", "Model 5"))
```

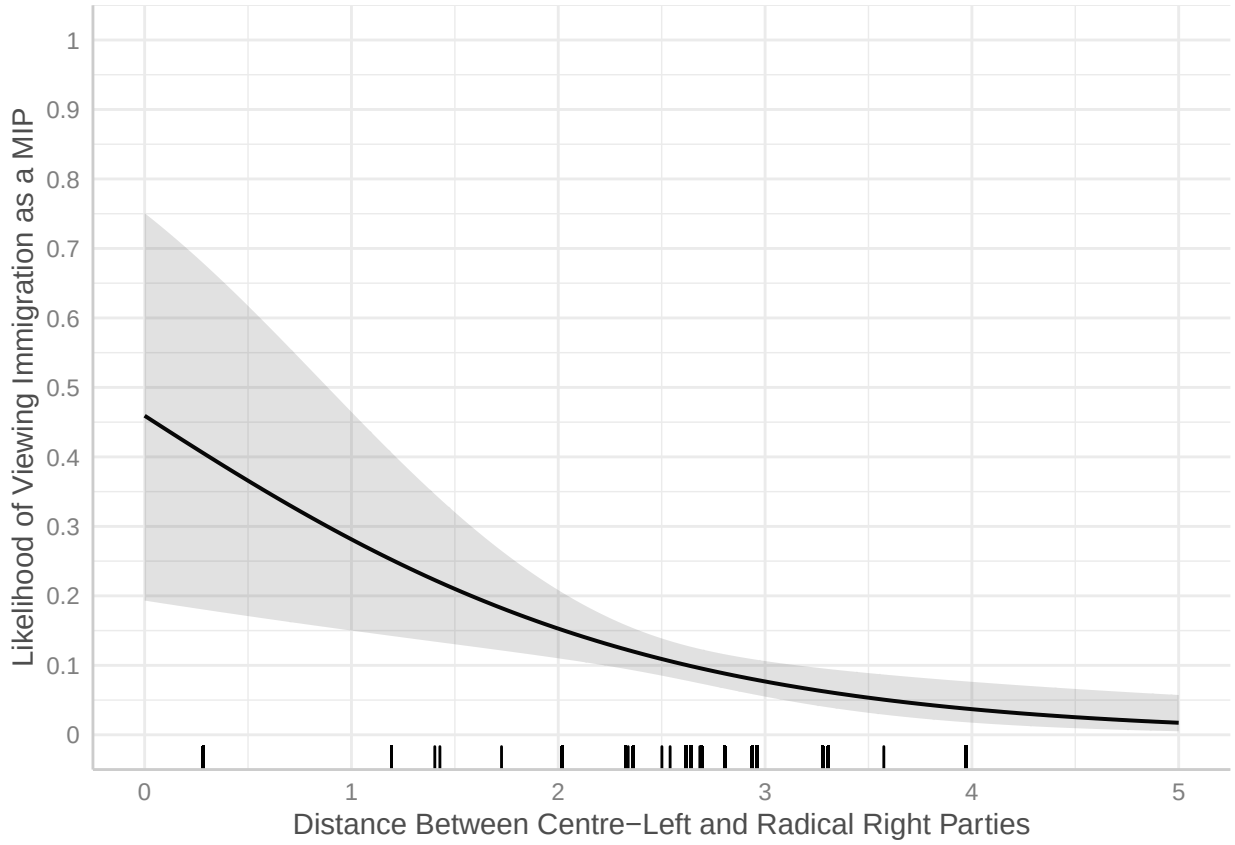
```
##
## ===================================================
##                           Model 4        Model 5
## ---------------------------------------------------
## (Intercept)                1.21           1.65
##                           (0.63)         (1.11)
## cr_rr_pos_dist            -0.21
##                           (0.22)
## cr_change_immig_pos        0.98 ***
##                           (0.20)
## sal_immig_RRP              0.09 *        -0.01
##                           (0.04)         (0.05)
## lr_self                    0.53 ***       0.53 ***
##                           (0.01)         (0.01)
## age                       -0.01 ***      -0.01 ***
##                           (0.00)         (0.00)
## sex_2                      0.46 ***       0.46 ***
##                           (0.04)         (0.04)
## edu                       -0.44 ***      -0.44 ***
##                           (0.02)         (0.02)
## marital_2                  0.12 **        0.12 **
##                           (0.04)         (0.04)
## income                    -0.14 ***      -0.14 ***
##                           (0.02)         (0.02)
## rural                      0.16 ***       0.16 ***
##                           (0.05)         (0.05)
## east                       2.11 **        1.72
##                           (0.75)         (1.20)
## noneu                      2.45 ***       1.96 **
##                           (0.48)         (0.60)
## ps_immig_sal_sansRRPCRw   -0.58
##                           (1.19)
## wave_2                    -1.41 ***      -1.10
##                           (0.40)         (0.58)
## cl_rr_pos_dist                           -0.16
##                                          (0.48)
## cl_change_immig_pos                       0.81 **
##                                          (0.29)
## ps_immig_sal_sansRRPCLw                   1.39
##                                          (1.39)
## ---------------------------------------------------
## AIC                        96778.90       96781.52
## BIC                        96913.47       96916.10
## Log Likelihood            -48372.45      -48373.76
## Num. obs.                  20256          20256
## Num. groups: id               15             15
## Var: id (Intercept)            0.29           0.47
## Var: Residual                  6.91           6.91
## ===================================================
## *** p < 0.001; ** p < 0.01; * p < 0.05
```

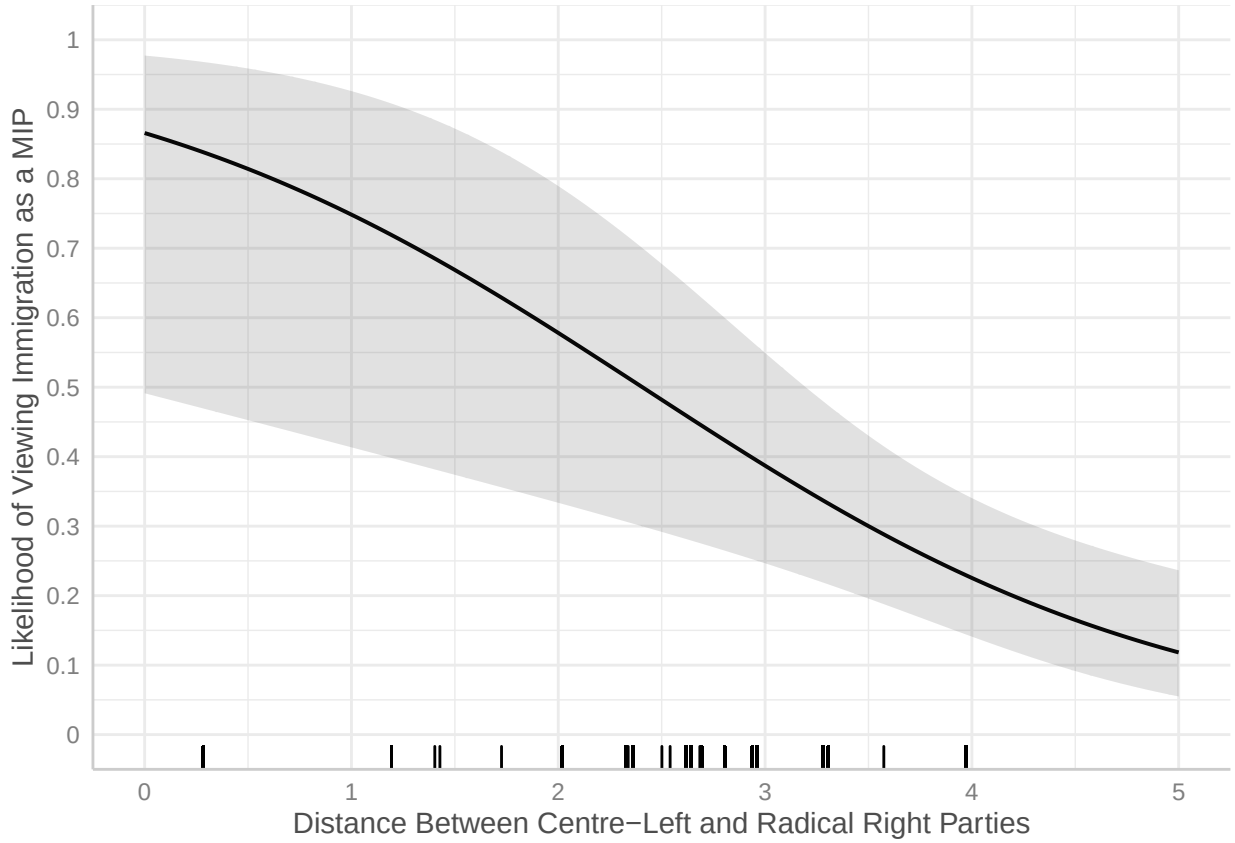
Figure 3 (1-3)

```
#################################################################################################
###Figure 4.1
immig_full_Jan212020_rugsubsetCL<-subset(immig_full_data, cl_rr_pos_dist>=0)
m3_1_plot<-ggpredict(m3, "cl_rr_pos_dist [0:5 by=.01]", condition=c(sal_immig_RRP=1.706,
                                                                    cl_change_immig_pos=.36,
                                                                    age=47,
                                                                    sex_2=0,
                                                                    edu=2,
                                                                    marital_2=1,
                                                                    income=2,
                                                                    rural=0,
                                                                    east=0,
                                                                    noneu=0,
                                                                    wave_2=0,
                                                                    lr_self=5,
                                                                    ps_immig_sal_sansRRPCLw=.3815), ci.l
  plot()

m3_1_plot+labs(x="Distance Between Centre-Left and Radical Right Parties",
               y="Likelihood of Viewing Immigration as a MIP", title=NULL)+
  scale_y_continuous(labels=seq(0.00, 1.00, .1), breaks=seq(0.00, 1.00, .1), limits=c(.00, 1.00))+geom_r
```



```
#################################################################################################
###Figure 4.2
m3_2_plot<-ggpredict(m3, "cl_rr_pos_dist [0:5 by=.01]", condition=c(sal_immig_RRP=15,
                                                                   cl_change_immig_pos=.36,
                                                                   age=47,
                                                                   sex_2=0,
                                                                   edu=2,
                                                                   marital_2=1,
                                                                   income=2,
                                                                   rural=0,
                                                                   east=0,
                                                                   noneu=0,
                                                                   wave_2=0,
                                                                   lr_self=5,
                                                                   ps_immig_sal_sansRRPCLw=.3815), ci.l
  plot()

m3_2_plot+labs(x="Distance Between Centre-Left and Radical Right Parties",
               y="Likelihood of Viewing Immigration as a MIP", title=NULL)+
  scale_y_continuous(labels=seq(0.00, 1.00, .1), breaks=seq(0.00, 1.00, .1), limits=c(.00, 1.00))+geom_r
```




```
#################################################################################################
###Figure 4.3
m3_4_plot<-ggpredict(m3, "cl_rr_pos_dist [0:5 by=.01]", condition=c(sal_immig_RRP=30,
                                                                   cl_change_immig_pos=.36,
```

```
                                                                  age=47,
                                                                  sex_2=0,
                                                                  edu=2,
                                                                  marital_2=1,
                                                                  income=2,
                                                                  rural=0,
                                                                  east=0,
                                                                  noneu=0,
                                                                  wave_2=0,
                                                                  lr_self=5,
                                                                  ps_immig_sal_sansRRPCLw=.3815), ci.l
  plot()

m3_4_plot+labs(x="Distance Between Centre-Left and Radical Right Parties",
               y="Likelihood of Viewing Immigration as a MIP", title=NULL)+
  scale_y_continuous(labels=seq(0.00, 1.00, .1), breaks=seq(0.00, 1.00, .1), limits=c(.00, 1.00))+geom_r
```