IICP: Descriptive Analysis

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Who Are the Immigrants?

Replicating Goodman and Wright (2015) with different definition of 'immigrants'

```
ess_2002 = haven::read_stata("ESS1e06_6.dta")
ess_2004 = haven::read_stata("ESS2e03_6.dta")
ess_2006 = haven::read_stata("ESS3e03_7.dta")
ess_2008 = haven::read_stata("ESS4e04_5.dta")
ess_2010 = haven::read_stata("ESS5e03_4.dta")
# table(ess_2002$cntry)
# table(ess_2002$essround)
```

```
ess_2002 = ess_2002 %>%
  select(essround, cntry, agea, blgetmg, brncntr, ctzcntr, livecntr, cntbrth, gndr, edulvla, facntr, mo
  plyr::rename(c("cntbrth"="birthplace","blgetmg"="ethnic", "edulvla"="edu","brncntr"="fborn"))
ess_2004 = ess_2004 %>%
  select(essround, cntry, agea, blgetmg, brncntr, ctzcntr, livecntr, cntbrtha, gndr, edulvla, facntr, m
  plyr::rename(c("cntbrtha"="birthplace","blgetmg"="ethnic", "edulvla"="edu","brncntr"="fborn"))
ess_2006 = ess_2006 %>%
  select(essround, cntry, agea, blgetmg, brncntr, ctzcntr, livecntr, cntbrtha, gndr, edulvla, facntr, m
  plyr::rename(c("cntbrtha"="birthplace","blgetmg"="ethnic", "edulvla"="edu","brncntr"="fborn"))
ess_2008 = ess_2008 %>%
  select(essround, cntry, agea, blgetmg, brncntr, ctzcntr, livecntr, cntbrthb, gndr, edulvla, facntr, m
  plyr::rename(c("cntbrthb"="birthplace","blgetmg"="ethnic", "edulvla"="edu","brncntr"="fborn"))
ess_2010 = ess_2010 %>%
  select(essround, cntry, agea, blgetmg, brncntr, ctzcntr, livecnta, cntbrthb, gndr, edulvlb, facntr, m
  plyr::rename(c("cntbrthb"="birthplace","blgetmg"="ethnic", "edulvlb"="edu","livecnta" = "livecntr","b
ess_2010$livecntr = ess_2010$livecntr - 2010
ess_2010$livecntr = ifelse(ess_2010$livecntr >= 1, 1,
                           ifelse(ess_2010$livecntr %in% c(-1:-5), 2,
                                  ifelse(ess_2010$livecntr %in% c(-6:-10), 3,
                                         ifelse(ess_2010$livecntr %in% c(-11:-20), 4,
                                                ifelse(ess_2010$livecntr < -20, 5, NA)))))
ess_2010$polcmpl = NA
ess_2010$poldcs = NA
```

```
ess_raw = rbind(ess_2002, ess_2004, ess_2006, ess_2008, ess_2010)
ess_raw$sec.immi = ifelse(ess_raw$facntr == 2 | ess_raw$mocntr == 2, 1, 0)
ess_raw$ethnic = ifelse(ess_raw$ethnic == 1, 1,
                        ifelse(ess_raw$ethnic == 2, 0, NA))
ess_raw$citizen = ifelse(ess_raw$ctzcntr == 1, 1,
                         ifelse(ess_raw$ctzcntr == 2, 0, NA))
ess_raw$residence = ifelse(ess_raw$livecntr <= 3, 1, 0) # 1 = lived less than 10 yrs, 0 = lived more th
ess_raw$birthplace = ifelse(ess_raw$birthplace %in% c(66,77,88,99,"02","03","04","06"), NA, ess_raw$birt
  # ess_raw = ess_raw[complete.cases(ess_raw$birthplace),]
  eu_member = c("BE", "FR", "DE", "IT", "LU", "NL", "DK", "IE", "GB", "GR", "PT", "ES","AT","SE")
  ess_raw$eubirth = ifelse(ess_raw$birthplace %in% eu_member, 1, 0)
```

```r
ess_raw$female = ifelse(ess_raw$gndr == 2, 1,
                        ifelse(ess_raw$gndr == 1, 0, NA))
ess_raw$edu = ifelse(ess_raw$edu > 5, NA, ess_raw$edu)
ess_raw$fborn = ifelse(ess_raw$fborn == 1, 0, 1) # now 1 as foreign born, 0 as native born

ess_raw$polintr = ifelse(ess_raw$polintr > 4, NA, ess_raw$polintr)
# table(ess_raw$polcmpl) whether politics are too complicated to understand, 5 as always, 1 as never
# table(ess_raw$poldcs) how difficult it is to make mind up about political issues, 5 as very easy, 1 a
ess_raw$poldcs = ifelse(ess_raw$poldcs == 5, 1,
                        ifelse(ess_raw$poldcs == 4, 2,
                               ifelse(ess_raw$poldcs == 3, 3,
                                      ifelse(ess_raw$poldcs == 2, 4,
                                             ifelse(ess_raw$poldcs == 1, 5, ess_raw$poldcs)))))
ess_raw$hincfel = ifelse(ess_raw$hincfel > 4, NA, ess_raw$hincfel)
ess_raw$ppltrst = ifelse(ess_raw$ppltrst > 10, NA, ess_raw$ppltrst) # 0 as can't be too careful, 10 as
ess_raw$pplfair = ifelse(ess_raw$pplfair > 10, NA, ess_raw$pplfair) # 0 as most people take advantage,
ess_raw$employ = ifelse(ess_raw$uempla == 0, 1, 0) # 1 = employed, 0 = unemployed

ess_mean = ess_raw %>% filter(citizen == 1, fborn == 0) %>% group_by(cntry) %>%
  select(cntry,polintr, hincfel, employ, ppltrst, pplfair, polcmpl, poldcs) %>%
  summarise(mean.poli = mean(polintr, na.rm = TRUE),
            mean.employ = mean(employ, na.rm = TRUE),
            mean.hincfel = mean(hincfel, na.rm = TRUE),
            mean.ppltrst = mean(ppltrst, na.rm = TRUE),
            mean.pplfair = mean(pplfair, na.rm = TRUE),
            mean.polcmpl = mean(polcmpl, na.rm = TRUE),
            mean.poldcs = mean(poldcs, na.rm = TRUE))

# ess_mean = ess_raw %>% filter(citizen == 1) %>% group_by(cntry) %>%
#   select(cntry,polintr, hincfel, employ, ppltrst, pplfair) %>%
#   summarise(mean.poli = mean(polintr, na.rm = TRUE),
#             mean.employ = mean(employ, na.rm = TRUE),
#             mean.hincfel = mean(hincfel, na.rm = TRUE),
#             mean.ppltrst = mean(ppltrst, na.rm = TRUE),
#             mean.pplfair = mean(pplfair, na.rm = TRUE))
#
# ess_mean.comp = ess_mean %>% left_join(ess_mean.1, by='cntry')

ess_nonciti = ess_raw %>% filter(citizen == 0)
ess_tenyr = ess_raw %>% filter(residence == 1)
ess_fborn = ess_raw %>% filter(fborn == 1)

ess_nonciti = ess_nonciti %>% left_join(ess_mean, by='cntry')
ess_tenyr = ess_tenyr %>% left_join(ess_mean, by='cntry')
ess_fborn = ess_fborn %>% left_join(ess_mean, by='cntry')

ess_h.nonciti = ess_nonciti %>% filter(cntry %in% c("DK", "NL", "DE", "AT", "FR", "GB", "GR"))
ess_l.nonciti = ess_nonciti %>% filter(cntry %in% c("IE", "SE", "BE", "PT", "ES", "FI","LU", "IT"))

ess_h.tenyr = ess_tenyr %>% filter(cntry %in% c("DK", "NL", "DE", "AT", "FR", "GB", "GR"))
ess_l.tenyr = ess_tenyr %>% filter(cntry %in% c("IE", "SE", "BE", "PT", "ES", "FI","LU", "IT"))

ess_h.fborn = ess_fborn %>% filter(cntry %in% c("DK", "NL", "DE", "AT", "FR", "GB", "GR"))
```

```
ess_l.fborn = ess_fborn %>% filter(cntry %in% c("IE", "SE", "BE", "PT", "ES", "FI","LU", "IT"))
```

```
ess_h.nonciti = ess_h.nonciti %>% mutate(
  poli.gap = polintr - mean.poli,
  employ.gap = employ - mean.employ,
  hincfel.gap = hincfel - mean.hincfel,
  ppltrst.gap = ppltrst - mean.ppltrst,
  pplfair.gap = pplfair - mean.pplfair,
  polcmpl.gap = polcmpl - mean.polcmpl,
  poldcs.gap = poldcs - mean.poldcs
  )

ess_l.nonciti = ess_l.nonciti %>% mutate(
  poli.gap = polintr - mean.poli,
  employ.gap = employ - mean.employ,
  hincfel.gap = hincfel - mean.hincfel,
  ppltrst.gap = ppltrst - mean.ppltrst,
  pplfair.gap = pplfair - mean.pplfair,
  polcmpl.gap = polcmpl - mean.polcmpl,
  poldcs.gap = poldcs - mean.poldcs
  )

ess_h.tenyr = ess_h.tenyr %>% mutate(
  poli.gap = polintr - mean.poli,
  employ.gap = employ - mean.employ,
  hincfel.gap = hincfel - mean.hincfel,
  ppltrst.gap = ppltrst - mean.ppltrst,
  pplfair.gap = pplfair - mean.pplfair,
  polcmpl.gap = polcmpl - mean.polcmpl,
  poldcs.gap = poldcs - mean.poldcs
  )

ess_l.tenyr = ess_l.tenyr %>% mutate(
  poli.gap = polintr - mean.poli,
  employ.gap = employ - mean.employ,
  hincfel.gap = hincfel - mean.hincfel,
  ppltrst.gap = ppltrst - mean.ppltrst,
  pplfair.gap = pplfair - mean.pplfair,
  polcmpl.gap = polcmpl - mean.polcmpl,
  poldcs.gap = poldcs - mean.poldcs
  )

ess_l.fborn = ess_l.fborn %>% mutate(
  poli.gap = polintr - mean.poli,
  employ.gap = employ - mean.employ,
  hincfel.gap = hincfel - mean.hincfel,
  ppltrst.gap = ppltrst - mean.ppltrst,
  pplfair.gap = pplfair - mean.pplfair,
  polcmpl.gap = polcmpl - mean.polcmpl,
  poldcs.gap = poldcs - mean.poldcs
  )

ess_h.fborn = ess_h.fborn %>% mutate(
  poli.gap = polintr - mean.poli,
```

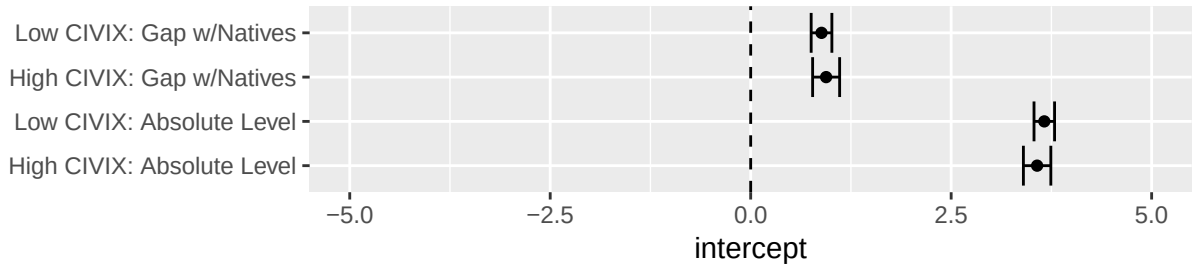

Figure 1: Political interests by CIVIX in EU-15 among Non-citizens

```
  employ.gap = employ - mean.employ,
  hincfel.gap = hincfel - mean.hincfel,
  ppltrst.gap = ppltrst - mean.ppltrst,
  pplfair.gap = pplfair - mean.pplfair,
  polcmpl.gap = polcmpl - mean.polcmpl,
  poldcs.gap = poldcs - mean.poldcs
  )
```

Noncitizens in ESS

```
polintr.h.1 = lm(polintr ~ agea + ethnic + female + edu + eubirth, data = ess_h.nonciti) # absolute lev
polintr.h.2 = lm(poli.gap ~ agea + ethnic + female + edu + eubirth, data = ess_h.nonciti) # gap
polintr.l.1 = lm(polintr ~ agea + ethnic + female + edu + eubirth, data = ess_l.nonciti) # absolute lev
polintr.l.2 = lm(poli.gap ~ agea + ethnic + female + edu + eubirth, data = ess_l.nonciti) # gap

# length(polintr.h.1$residuals) 1803
# length(polintr.h.2$residuals) 1803
# length(polintr.l.1$residuals) 2659

absolute.h = as.vector(c(polintr.h.1$coefficients[1],confint(polintr.h.1)[1,]))
absolute.l = as.vector(c(polintr.l.1$coefficients[1],confint(polintr.l.1)[1,]))

gap.h = as.vector(c(polintr.h.2$coefficients[1],confint(polintr.h.2)[1,]))
gap.l = as.vector(c(polintr.l.2$coefficients[1],confint(polintr.l.2)[1,]))
```

```
polintr.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(polintr.1) = c("intercept", "min", "max")
polintr.1 = polintr.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
polintr.1$var = factor(polintr.1$var, as.character(polintr.1$var))

ggplot(polintr.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
polcmpl.h.1 = lm(polcmpl ~ agea + ethnic + female + edu + eubirth, data = ess_h.nonciti) # absolute lev
polcmpl.h.2 = lm(polcmpl.gap ~ agea + ethnic + female + edu + eubirth, data = ess_h.nonciti) # gap
polcmpl.l.1 = lm(polcmpl ~ agea + ethnic + female + edu + eubirth, data = ess_l.nonciti) # absolute lev
polcmpl.l.2 = lm(polcmpl.gap ~ agea + ethnic + female + edu + eubirth, data = ess_l.nonciti) # gap
```

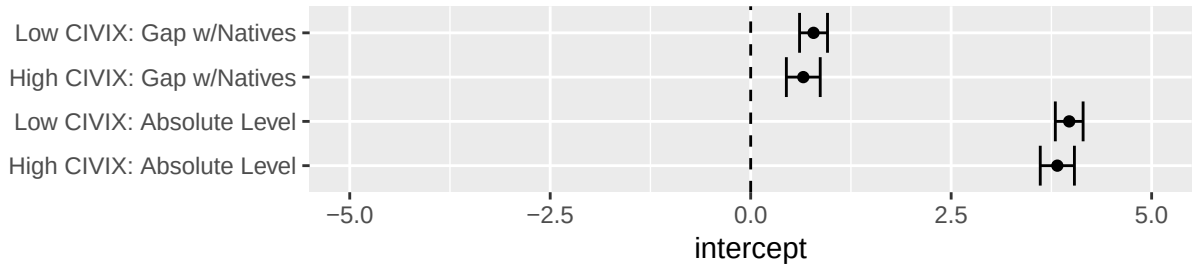

Figure 2: Politics as complicated by CIVIX in EU-15 among Non-citizens

```
# length(polintr.h.1$residuals) 1803
# length(polintr.h.2$residuals) 1803
# length(polintr.l.1$residuals) 2659

absolute.h = as.vector(c(polcmpl.h.1$coefficients[1],confint(polcmpl.h.1)[1,]))
absolute.l = as.vector(c(polcmpl.l.1$coefficients[1],confint(polcmpl.l.1)[1,]))

gap.h = as.vector(c(polcmpl.h.2$coefficients[1],confint(polcmpl.h.2)[1,]))
gap.l = as.vector(c(polcmpl.l.2$coefficients[1],confint(polcmpl.l.2)[1,]))
```

```
polcmpl.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(polcmpl.1) = c("intercept", "min", "max")
polcmpl.1 = polcmpl.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','Hig
polcmpl.1$var = factor(polcmpl.1$var, as.character(polcmpl.1$var))

ggplot(polcmpl.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
poldcs.h.1 = lm(poldcs ~ agea + ethnic + female + edu + eubirth, data = ess_h.nonciti) # absolute level
poldcs.h.2 = lm(poldcs.gap ~ agea + ethnic + female + edu + eubirth, data = ess_h.nonciti) # gap
poldcs.l.1 = lm(poldcs ~ agea + ethnic + female + edu + eubirth, data = ess_l.nonciti) # absolute level
poldcs.l.2 = lm(poldcs.gap ~ agea + ethnic + female + edu + eubirth, data = ess_l.nonciti) # gap

# length(polintr.h.1$residuals) 1803
# length(polintr.h.2$residuals) 1803
# length(polintr.l.1$residuals) 2659

absolute.h = as.vector(c(poldcs.h.1$coefficients[1],confint(poldcs.h.1)[1,]))
absolute.l = as.vector(c(poldcs.l.1$coefficients[1],confint(poldcs.l.1)[1,]))

gap.h = as.vector(c(poldcs.h.2$coefficients[1],confint(poldcs.h.2)[1,]))
gap.l = as.vector(c(poldcs.l.2$coefficients[1],confint(poldcs.l.2)[1,]))
```

```
poldcs.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(poldcs.1) = c("intercept", "min", "max")
poldcs.1 = poldcs.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
poldcs.1$var = factor(poldcs.1$var, as.character(poldcs.1$var))
```

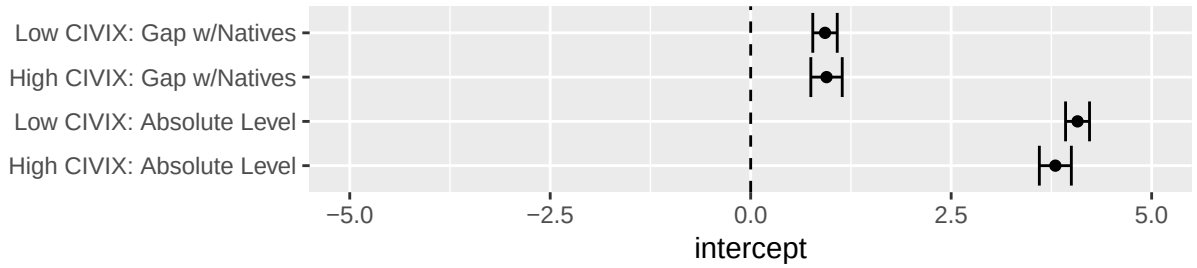

Figure 3: Difficulties in making political decisions by CIVIX in EU-15 among Non-citizens

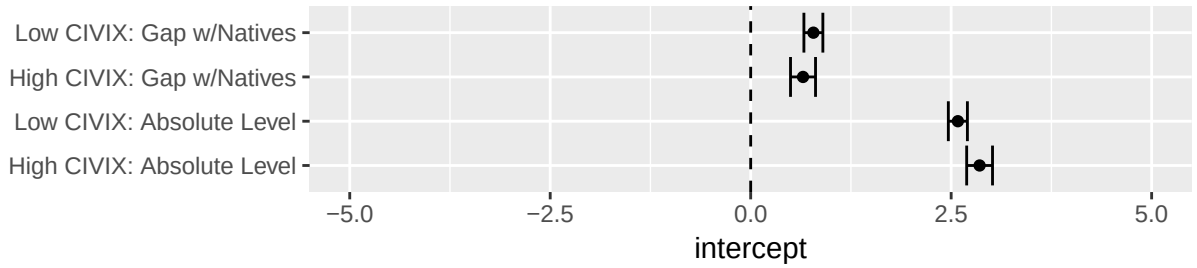

Figure 4: Financial situation by CIVIX in EU-15 among Non-citizens

```
ggplot(poldcs.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
hincfel.h.1 = lm(hincfel ~ agea + ethnic + female + edu + eubirth, data = ess_h.nonciti) # absolute lev
hincfel.h.2 = lm(hincfel.gap ~ agea + ethnic + female + edu + eubirth, data = ess_h.nonciti) # gap
hincfel.l.1 = lm(hincfel ~ agea + ethnic + female + edu + eubirth, data = ess_l.nonciti) # absolute lev
hincfel.l.2 = lm(hincfel.gap ~ agea + ethnic + female + edu + eubirth, data = ess_l.nonciti) # gap

# length(hincfel.h.1$residuals) 1698

absolute.h = as.vector(c(hincfel.h.1$coefficients[1],confint(hincfel.h.1)[1,]))
absolute.l = as.vector(c(hincfel.l.1$coefficients[1],confint(hincfel.l.1)[1,]))

gap.h = as.vector(c(hincfel.h.2$coefficients[1],confint(hincfel.h.2)[1,]))
gap.l = as.vector(c(hincfel.l.2$coefficients[1],confint(hincfel.l.2)[1,]))
```

```
hincfel.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(hincfel.1) = c("intercept", "min", "max")
hincfel.1 = hincfel.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
hincfel.1$var = factor(hincfel.1$var, as.character(hincfel.1$var))

ggplot(hincfel.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

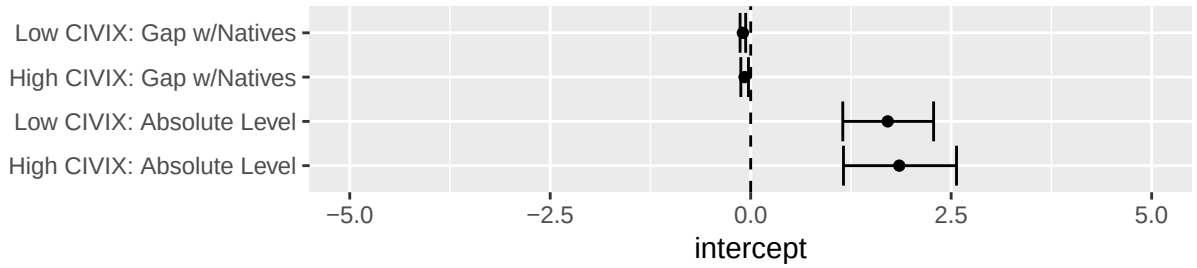

Figure 5: Employment by CIVIX among Non-citizens

```
employ.h.1 = glm(employ ~ agea + ethnic + female + edu + eubirth, data = ess_h.nonciti, family = binomia
employ.h.2 = lm(employ.gap ~ agea + ethnic + female + edu + eubirth, data = ess_h.nonciti) # gap
employ.l.1 = glm(employ ~ agea + ethnic + female + edu + eubirth, data = ess_l.nonciti, family = binomia
employ.l.2 = lm(employ.gap ~ agea + ethnic + female + edu + eubirth, data = ess_l.nonciti) # gap

# length(employ.h.1$residuals) 1813
# length(employ.l.1$residuals) 2673

absolute.h = as.vector(c(employ.h.1$coefficients[1],confint(employ.h.1)[1,]))
absolute.l = as.vector(c(employ.l.1$coefficients[1],confint(employ.l.1)[1,]))

gap.h = as.vector(c(employ.h.2$coefficients[1],confint(employ.h.2)[1,]))
gap.l = as.vector(c(employ.l.2$coefficients[1],confint(employ.l.2)[1,]))
```

```
employ.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(employ.1) = c("intercept", "min", "max")
employ.1 = employ.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High C
employ.1$var = factor(employ.1$var, as.character(employ.1$var))

ggplot(employ.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
ppltrst.h.1 = lm(ppltrst ~ agea + ethnic + female + edu + eubirth, data = ess_h.nonciti) # absolute lev
ppltrst.h.2 = lm(ppltrst.gap ~ agea + ethnic + female + edu + eubirth, data = ess_h.nonciti) # gap
ppltrst.l.1 = lm(ppltrst ~ agea + ethnic + female + edu + eubirth, data = ess_l.nonciti) # absolute lev
ppltrst.l.2 = lm(ppltrst.gap ~ agea + ethnic + female + edu + eubirth, data = ess_l.nonciti) # gap

# length(ppltrst.h.1$residuals) 1804
# length(ppltrst.l.1$residuals) 1657

absolute.h = as.vector(c(ppltrst.h.1$coefficients[1],confint(ppltrst.h.1)[1,]))
absolute.l = as.vector(c(ppltrst.l.1$coefficients[1],confint(ppltrst.l.1)[1,]))

gap.h = as.vector(c(ppltrst.h.2$coefficients[1],confint(ppltrst.h.2)[1,]))
gap.l = as.vector(c(ppltrst.l.2$coefficients[1],confint(ppltrst.l.2)[1,]))
```

```
ppltrst.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(ppltrst.1) = c("intercept", "min", "max")
```

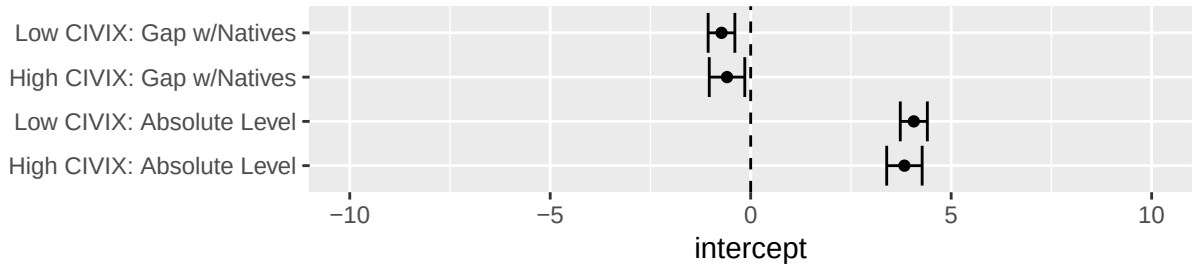

Figure 6: General trust by CIVIX in EU-15 among Non-citizens

```
ppltrst.1 = ppltrst.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
ppltrst.1$var = factor(ppltrst.1$var, as.character(ppltrst.1$var))

ggplot(ppltrst.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-10, 10)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
pplfair.h.1 = lm(pplfair ~ agea + ethnic + female + edu + eubirth, data = ess_h.nonciti) # absolute lev
pplfair.h.2 = lm(pplfair.gap ~ agea + ethnic + female + edu + eubirth, data = ess_h.nonciti) # gap
pplfair.l.1 = lm(pplfair ~ agea + ethnic + female + edu + eubirth, data = ess_l.nonciti) # absolute lev
pplfair.l.2 = lm(pplfair.gap ~ agea + ethnic + female + edu + eubirth, data = ess_l.nonciti) # gap

absolute.h = as.vector(c(pplfair.h.1$coefficients[1],confint(pplfair.h.1)[1,]))
absolute.l = as.vector(c(pplfair.l.1$coefficients[1],confint(pplfair.l.1)[1,]))

gap.h = as.vector(c(pplfair.h.2$coefficients[1],confint(pplfair.h.2)[1,]))
gap.l = as.vector(c(pplfair.l.2$coefficients[1],confint(pplfair.l.2)[1,]))
```

```
pplfair.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(pplfair.1) = c("intercept", "min", "max")
pplfair.1 = pplfair.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
pplfair.1$var = factor(pplfair.1$var, as.character(pplfair.1$var))

ggplot(pplfair.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-10, 10)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

Less than 10-years of residence

```
polintr.h.1 = lm(polintr ~ agea + ethnic + female + edu + eubirth, data = ess_h.tenyr) # absolute level
polintr.h.2 = lm(poli.gap ~ agea + ethnic + female + edu + eubirth, data = ess_h.tenyr) # gap
polintr.l.1 = lm(polintr ~ agea + ethnic + female + edu + eubirth, data = ess_l.tenyr) # absolute level
polintr.l.2 = lm(poli.gap ~ agea + ethnic + female + edu + eubirth, data = ess_l.tenyr) # gap
```

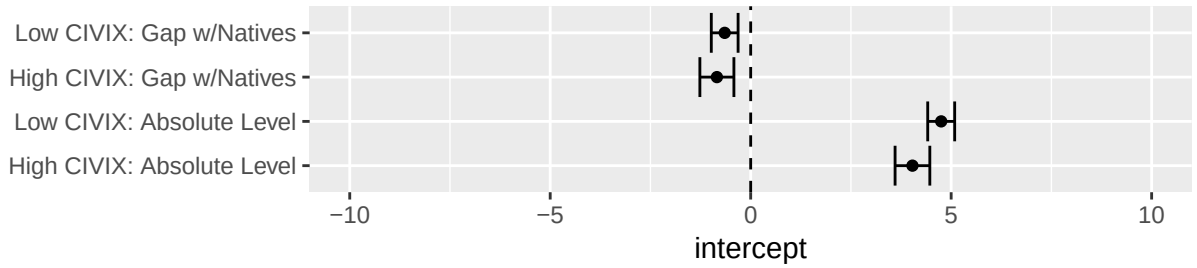

Figure 7: People being fair by CIVIX in EU-15 among Non-citizens

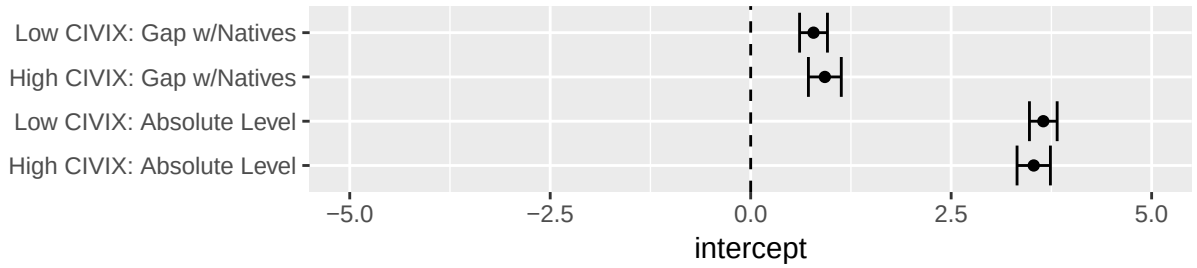

Figure 8: Political interests by CIVIX in EU-15, $<$ 10 yrs

```
absolute.h = as.vector(c(polintr.h.1$coefficients[1],confint(polintr.h.1)[1,]))
absolute.l = as.vector(c(polintr.l.1$coefficients[1],confint(polintr.l.1)[1,]))

gap.h = as.vector(c(polintr.h.2$coefficients[1],confint(polintr.h.2)[1,]))
gap.l = as.vector(c(polintr.l.2$coefficients[1],confint(polintr.l.2)[1,]))
```

```
polintr.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(polintr.1) = c("intercept", "min", "max")
polintr.1 = polintr.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
polintr.1$var = factor(polintr.1$var, as.character(polintr.1$var))

ggplot(polintr.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
polcmpl.h.1 = lm(polcmpl ~ agea + ethnic + female + edu + eubirth, data = ess_h.tenyr) # absolute level
polcmpl.h.2 = lm(polcmpl.gap ~ agea + ethnic + female + edu + eubirth, data = ess_h.tenyr) # gap
polcmpl.l.1 = lm(polcmpl ~ agea + ethnic + female + edu + eubirth, data = ess_l.tenyr) # absolute level
polcmpl.l.2 = lm(polcmpl.gap ~ agea + ethnic + female + edu + eubirth, data = ess_l.tenyr) # gap

# length(polintr.h.1$residuals) 1803
# length(polintr.h.2$residuals) 1803
# length(polintr.l.1$residuals) 2659

absolute.h = as.vector(c(polcmpl.h.1$coefficients[1],confint(polcmpl.h.1)[1,]))
absolute.l = as.vector(c(polcmpl.l.1$coefficients[1],confint(polcmpl.l.1)[1,]))

gap.h = as.vector(c(polcmpl.h.2$coefficients[1],confint(polcmpl.h.2)[1,]))
```

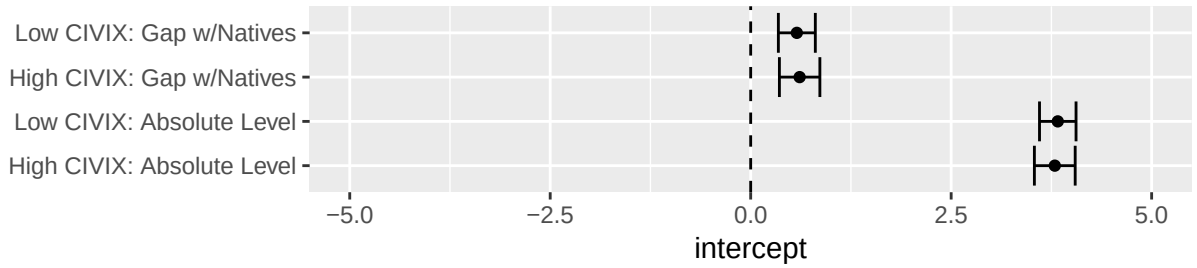

Figure 9: Politics as complicated by CIVIX in EU-15, < 10 yrs

```
gap.l = as.vector(c(polcmpl.l.2$coefficients[1],confint(polcmpl.l.2)[1,]))
```

```
polcmpl.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(polcmpl.1) = c("intercept", "min", "max")
polcmpl.1 = polcmpl.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
polcmpl.1$var = factor(polcmpl.1$var, as.character(polcmpl.1$var))

ggplot(polcmpl.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
poldcs.h.1 = lm(poldcs ~ agea + ethnic + female + edu + eubirth, data = ess_h.tenyr) # absolute level
poldcs.h.2 = lm(poldcs.gap ~ agea + ethnic + female + edu + eubirth, data = ess_h.tenyr) # gap
poldcs.l.1 = lm(poldcs ~ agea + ethnic + female + edu + eubirth, data = ess_l.tenyr) # absolute level
poldcs.l.2 = lm(poldcs.gap ~ agea + ethnic + female + edu + eubirth, data = ess_l.tenyr) # gap

# length(polintr.h.1$residuals) 1803
# length(polintr.h.2$residuals) 1803
# length(polintr.l.1$residuals) 2659

absolute.h = as.vector(c(poldcs.h.1$coefficients[1],confint(poldcs.h.1)[1,]))
absolute.l = as.vector(c(poldcs.l.1$coefficients[1],confint(poldcs.l.1)[1,]))

gap.h = as.vector(c(poldcs.h.2$coefficients[1],confint(poldcs.h.2)[1,]))
gap.l = as.vector(c(poldcs.l.2$coefficients[1],confint(poldcs.l.2)[1,]))
```

```
poldcs.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(poldcs.1) = c("intercept", "min", "max")
poldcs.1 = poldcs.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
poldcs.1$var = factor(poldcs.1$var, as.character(poldcs.1$var))

ggplot(poldcs.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

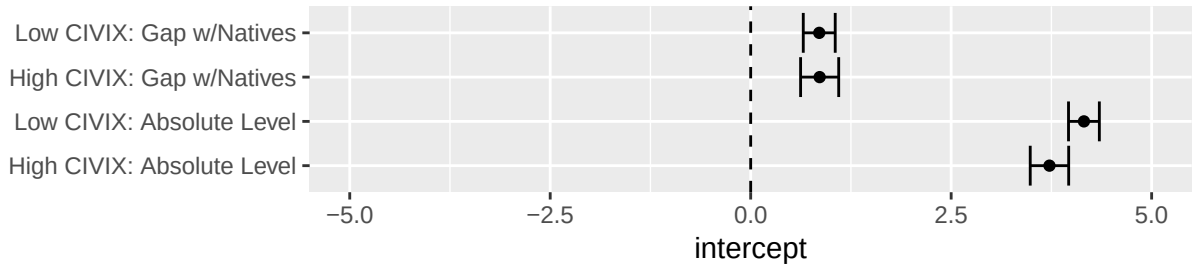

Figure 10: Difficulties in making political decisions by CIVIX in EU-15, < 10 yrs

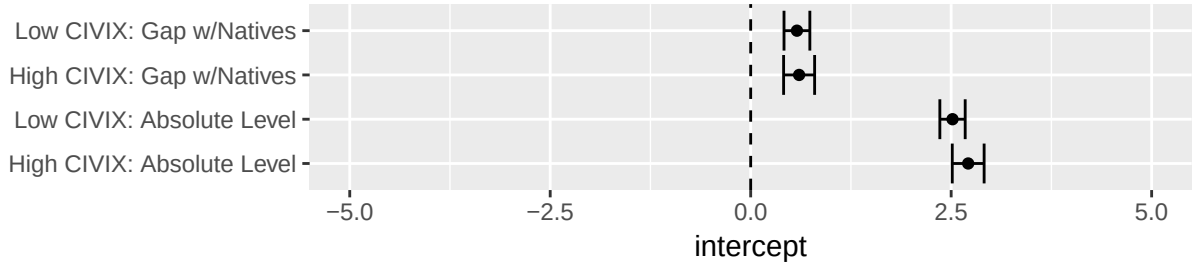

Figure 11: Financial situation by CIVIX in EU-15, < 10 yrs

```
hincfel.h.1 = lm(hincfel ~ agea + ethnic + female + edu + eubirth, data = ess_h.tenyr) # absolute level
hincfel.h.2 = lm(hincfel.gap ~ agea + ethnic + female + edu + eubirth, data = ess_h.tenyr) # gap
hincfel.l.1 = lm(hincfel ~ agea + ethnic + female + edu + eubirth, data = ess_l.tenyr) # absolute level
hincfel.l.2 = lm(hincfel.gap ~ agea + ethnic + female + edu + eubirth, data = ess_l.tenyr) # gap

# length(hincfel.h.1$residuals) 1187
# length(hincfel.l.1$residuals) 1622

absolute.h = as.vector(c(hincfel.h.1$coefficients[1],confint(hincfel.h.1)[1,]))
absolute.l = as.vector(c(hincfel.l.1$coefficients[1],confint(hincfel.l.1)[1,]))

gap.h = as.vector(c(hincfel.h.2$coefficients[1],confint(hincfel.h.2)[1,]))
gap.l = as.vector(c(hincfel.l.2$coefficients[1],confint(hincfel.l.2)[1,]))
```

```
hincfel.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(hincfel.1) = c("intercept", "min", "max")
hincfel.1 = hincfel.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
hincfel.1$var = factor(hincfel.1$var, as.character(hincfel.1$var))

ggplot(hincfel.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
employ.h.1 = glm(employ ~ agea + ethnic + female + edu + eubirth, data = ess_h.tenyr, family = binomial
employ.h.2 = lm(employ.gap ~ agea + ethnic + female + edu + eubirth, data = ess_h.tenyr) # gap
employ.l.1 = glm(employ ~ agea + ethnic + female + edu + eubirth, data = ess_l.tenyr, family = binomial
employ.l.2 = lm(employ.gap ~ agea + ethnic + female + edu + eubirth, data = ess_l.tenyr) # gap
```

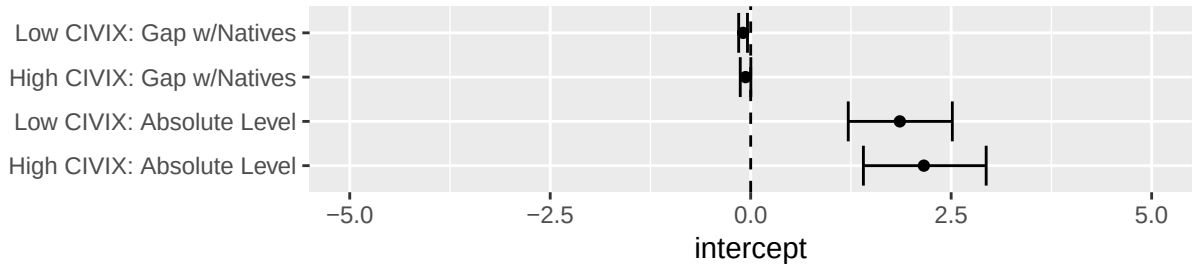

Figure 12: Employment by CIVIX, < 10 yrs

```
# length(employ.h.1$residuals) 1238
# length(employ.l.1$residuals) 1646

absolute.h = as.vector(c(employ.h.1$coefficients[1],confint(employ.h.1)[1,]))
absolute.l = as.vector(c(employ.l.1$coefficients[1],confint(employ.l.1)[1,]))

gap.h = as.vector(c(employ.h.2$coefficients[1],confint(employ.h.2)[1,]))
gap.l = as.vector(c(employ.l.2$coefficients[1],confint(employ.l.2)[1,]))
```

```
employ.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(employ.1) = c("intercept", "min", "max")
employ.1 = employ.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
employ.1$var = factor(employ.1$var, as.character(employ.1$var))

ggplot(employ.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
ppltrst.h.1 = lm(ppltrst ~ agea + ethnic + female + edu + eubirth, data = ess_h.tenyr) # absolute level
ppltrst.h.2 = lm(ppltrst.gap ~ agea + ethnic + female + edu + eubirth, data = ess_h.tenyr) # gap
ppltrst.l.1 = lm(ppltrst ~ agea + ethnic + female + edu + eubirth, data = ess_l.tenyr) # absolute level
ppltrst.l.2 = lm(ppltrst.gap ~ agea + ethnic + female + edu + eubirth, data = ess_l.tenyr) # gap

# length(ppltrst.h.1$residuals) 1231
# length(ppltrst.l.1$residuals) 1632

absolute.h = as.vector(c(ppltrst.h.1$coefficients[1],confint(ppltrst.h.1)[1,]))
absolute.l = as.vector(c(ppltrst.l.1$coefficients[1],confint(ppltrst.l.1)[1,]))

gap.h = as.vector(c(ppltrst.h.2$coefficients[1],confint(ppltrst.h.2)[1,]))
gap.l = as.vector(c(ppltrst.l.2$coefficients[1],confint(ppltrst.l.2)[1,]))
```

```
ppltrst.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(ppltrst.1) = c("intercept", "min", "max")
ppltrst.1 = ppltrst.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
ppltrst.1$var = factor(ppltrst.1$var, as.character(ppltrst.1$var))

ggplot(ppltrst.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
```

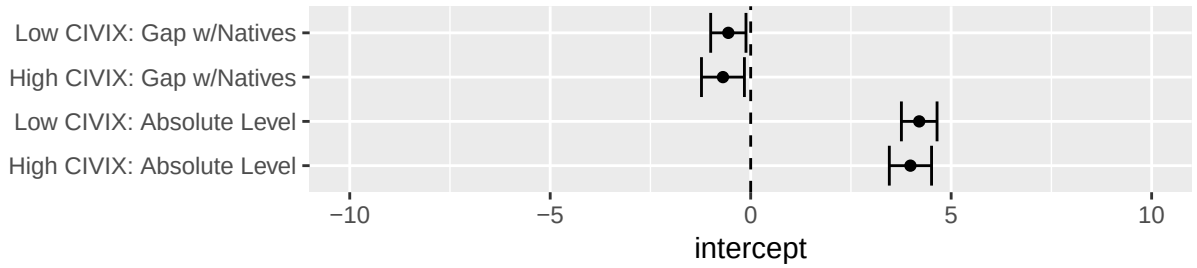

Figure 13: General trust by CIVIX in EU-15, < 10 yrs

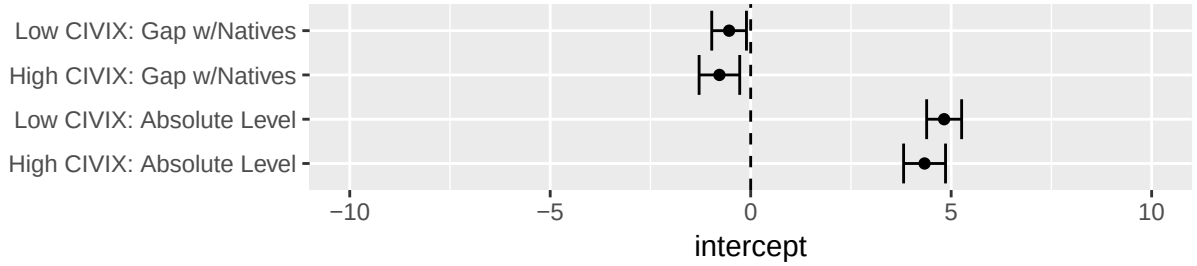

Figure 14: People being fair by CIVIX in EU-15, < 10 yrs

```
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-10, 10)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
pplfair.h.1 = lm(pplfair ~ agea + ethnic + female + edu + eubirth, data = ess_h.tenyr) # absolute level
pplfair.h.2 = lm(pplfair.gap ~ agea + ethnic + female + edu + eubirth, data = ess_h.tenyr) # gap
pplfair.l.1 = lm(pplfair ~ agea + ethnic + female + edu + eubirth, data = ess_l.tenyr) # absolute level
pplfair.l.2 = lm(pplfair.gap ~ agea + ethnic + female + edu + eubirth, data = ess_l.tenyr) # gap

absolute.h = as.vector(c(pplfair.h.1$coefficients[1],confint(pplfair.h.1)[1,]))
absolute.l = as.vector(c(pplfair.l.1$coefficients[1],confint(pplfair.l.1)[1,]))

gap.h = as.vector(c(pplfair.h.2$coefficients[1],confint(pplfair.h.2)[1,]))
gap.l = as.vector(c(pplfair.l.2$coefficients[1],confint(pplfair.l.2)[1,]))
```

```
pplfair.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(pplfair.1) = c("intercept", "min", "max")
pplfair.1 = pplfair.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
pplfair.1$var = factor(pplfair.1$var, as.character(pplfair.1$var))

ggplot(pplfair.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-10, 10)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

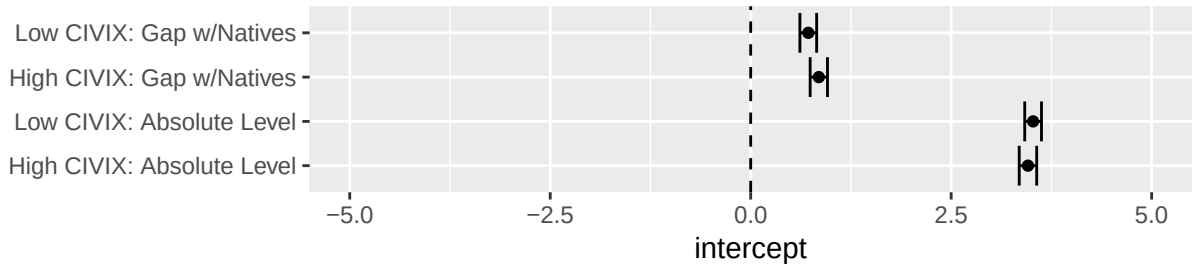

Figure 15: Political interests by CIVIX in EU-15, foreign-borns

Foreign borns

```
polintr.h.1 = lm(polintr ~ agea + ethnic + female + edu + eubirth, data = ess_h.fborn) # absolute level
polintr.h.2 = lm(poli.gap ~ agea + ethnic + female + edu + eubirth, data = ess_h.fborn) # gap
polintr.l.1 = lm(polintr ~ agea + ethnic + female + edu + eubirth, data = ess_l.fborn) # absolute level
polintr.l.2 = lm(poli.gap ~ agea + ethnic + female + edu + eubirth, data = ess_l.fborn) # gap

absolute.h = as.vector(c(polintr.h.1$coefficients[1],confint(polintr.h.1)[1,]))
absolute.l = as.vector(c(polintr.l.1$coefficients[1],confint(polintr.l.1)[1,]))

gap.h = as.vector(c(polintr.h.2$coefficients[1],confint(polintr.h.2)[1,]))
gap.l = as.vector(c(polintr.l.2$coefficients[1],confint(polintr.l.2)[1,]))
```

```
polintr.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(polintr.1) = c("intercept", "min", "max")
polintr.1 = polintr.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
polintr.1$var = factor(polintr.1$var, as.character(polintr.1$var))

ggplot(polintr.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
polcmpl.h.1 = lm(polcmpl ~ agea + ethnic + female + edu + eubirth, data = ess_h.fborn) # absolute level
polcmpl.h.2 = lm(polcmpl.gap ~ agea + ethnic + female + edu + eubirth, data = ess_h.fborn) # gap
polcmpl.l.1 = lm(polcmpl ~ agea + ethnic + female + edu + eubirth, data = ess_l.fborn) # absolute level
polcmpl.l.2 = lm(polcmpl.gap ~ agea + ethnic + female + edu + eubirth, data = ess_l.fborn) # gap

# length(polintr.h.1$residuals) 1803
# length(polintr.h.2$residuals) 1803
# length(polintr.l.1$residuals) 2659

absolute.h = as.vector(c(polcmpl.h.1$coefficients[1],confint(polcmpl.h.1)[1,]))
absolute.l = as.vector(c(polcmpl.l.1$coefficients[1],confint(polcmpl.l.1)[1,]))

gap.h = as.vector(c(polcmpl.h.2$coefficients[1],confint(polcmpl.h.2)[1,]))
gap.l = as.vector(c(polcmpl.l.2$coefficients[1],confint(polcmpl.l.2)[1,]))
```

```
polcmpl.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(polcmpl.1) = c("intercept", "min", "max")
```

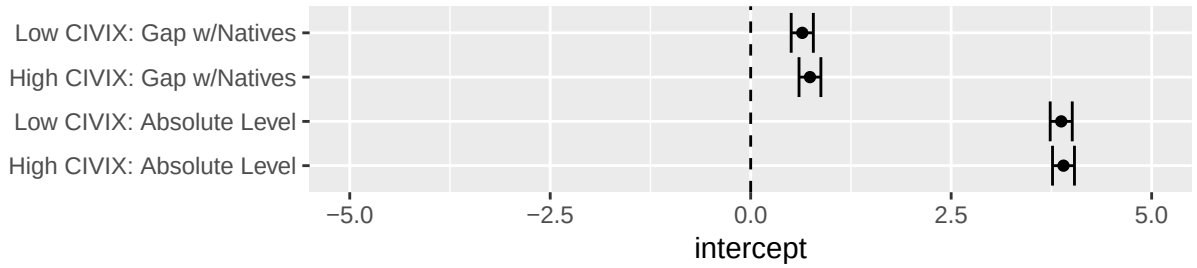

Figure 16: Politics as complicated by CIVIX in EU-15, foreign-borns

```
polcmpl.1 = polcmpl.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
polcmpl.1$var = factor(polcmpl.1$var, as.character(polcmpl.1$var))

ggplot(polcmpl.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
poldcs.h.1 = lm(poldcs ~ agea + ethnic + female + edu + eubirth, data = ess_h.fborn) # absolute level
poldcs.h.2 = lm(poldcs.gap ~ agea + ethnic + female + edu + eubirth, data = ess_h.fborn) # gap
poldcs.l.1 = lm(poldcs ~ agea + ethnic + female + edu + eubirth, data = ess_l.fborn) # absolute level
poldcs.l.2 = lm(poldcs.gap ~ agea + ethnic + female + edu + eubirth, data = ess_l.fborn) # gap

# length(polintr.h.1$residuals) 1803
# length(polintr.h.2$residuals) 1803
# length(polintr.l.1$residuals) 2659

absolute.h = as.vector(c(poldcs.h.1$coefficients[1],confint(poldcs.h.1)[1,]))
absolute.l = as.vector(c(poldcs.l.1$coefficients[1],confint(poldcs.l.1)[1,]))

gap.h = as.vector(c(poldcs.h.2$coefficients[1],confint(poldcs.h.2)[1,]))
gap.l = as.vector(c(poldcs.l.2$coefficients[1],confint(poldcs.l.2)[1,]))
```

```
poldcs.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(poldcs.1) = c("intercept", "min", "max")
poldcs.1 = poldcs.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
poldcs.1$var = factor(poldcs.1$var, as.character(poldcs.1$var))

ggplot(poldcs.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
hincfel.h.1 = lm(hincfel ~ agea + ethnic + female + edu + eubirth, data = ess_h.fborn) # absolute level
hincfel.h.2 = lm(hincfel.gap ~ agea + ethnic + female + edu + eubirth, data = ess_h.fborn) # gap
hincfel.l.1 = lm(hincfel ~ agea + ethnic + female + edu + eubirth, data = ess_l.fborn) # absolute level
hincfel.l.2 = lm(hincfel.gap ~ agea + ethnic + female + edu + eubirth, data = ess_l.fborn) # gap
```

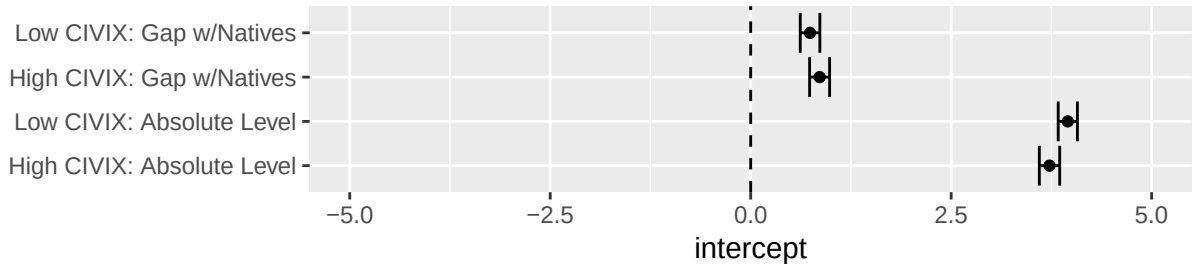

Figure 17: Difficulties in making political decisions by CIVIX in EU-15, foreign-borns

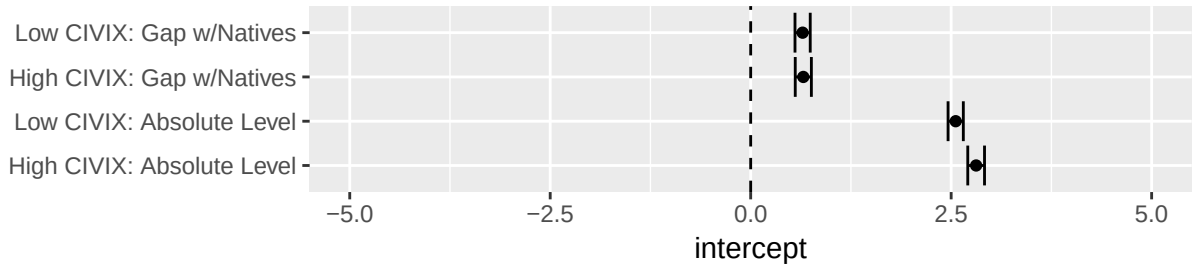

Figure 18: Financial situation by CIVIX in EU-15, foreign-borns

```
# length(hincfel.h.1$residuals) 4101
# length(hincfel.l.1$residuals) 4379

absolute.h = as.vector(c(hincfel.h.1$coefficients[1],confint(hincfel.h.1)[1,]))
absolute.l = as.vector(c(hincfel.l.1$coefficients[1],confint(hincfel.l.1)[1,]))

gap.h = as.vector(c(hincfel.h.2$coefficients[1],confint(hincfel.h.2)[1,]))
gap.l = as.vector(c(hincfel.l.2$coefficients[1],confint(hincfel.l.2)[1,]))
```

```
hincfel.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(hincfel.1) = c("intercept", "min", "max")
hincfel.1 = hincfel.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
hincfel.1$var = factor(hincfel.1$var, as.character(hincfel.1$var))

ggplot(hincfel.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
employ.h.1 = glm(employ ~ agea + ethnic + female + edu + eubirth, data = ess_h.fborn, family = binomial
employ.h.2 = lm(employ.gap ~ agea + ethnic + female + edu + eubirth, data = ess_h.fborn) # gap
employ.l.1 = glm(employ ~ agea + ethnic + female + edu + eubirth, data = ess_l.fborn, family = binomial
employ.l.2 = lm(employ.gap ~ agea + ethnic + female + edu + eubirth, data = ess_l.fborn) # gap

# length(employ.h.1$residuals)
# length(employ.l.1$residuals)

absolute.h = as.vector(c(employ.h.1$coefficients[1],confint(employ.h.1)[1,]))
absolute.l = as.vector(c(employ.l.1$coefficients[1],confint(employ.l.1)[1,]))
```

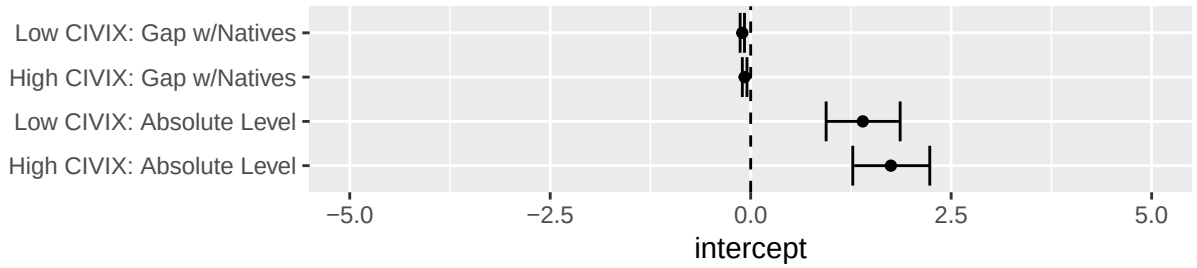

Figure 19: Employment by CIVIX, foreign-borns

```
gap.h = as.vector(c(employ.h.2$coefficients[1],confint(employ.h.2)[1,]))
gap.l = as.vector(c(employ.l.2$coefficients[1],confint(employ.l.2)[1,]))
```

```
employ.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(employ.1) = c("intercept", "min", "max")
employ.1 = employ.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High C
employ.1$var = factor(employ.1$var, as.character(employ.1$var))

ggplot(employ.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
ppltrst.h.1 = lm(ppltrst ~ agea + ethnic + female + edu + eubirth, data = ess_h.fborn) # absolute level
ppltrst.h.2 = lm(ppltrst.gap ~ agea + ethnic + female + edu + eubirth, data = ess_h.fborn) # gap
ppltrst.l.1 = lm(ppltrst ~ agea + ethnic + female + edu + eubirth, data = ess_l.fborn) # absolute level
ppltrst.l.2 = lm(ppltrst.gap ~ agea + ethnic + female + edu + eubirth, data = ess_l.fborn) # gap

# length(ppltrst.h.1$residuals) 4388
# length(ppltrst.l.1$residuals) 4398

absolute.h = as.vector(c(ppltrst.h.1$coefficients[1],confint(ppltrst.h.1)[1,]))
absolute.l = as.vector(c(ppltrst.l.1$coefficients[1],confint(ppltrst.l.1)[1,]))

gap.h = as.vector(c(ppltrst.h.2$coefficients[1],confint(ppltrst.h.2)[1,]))
gap.l = as.vector(c(ppltrst.l.2$coefficients[1],confint(ppltrst.l.2)[1,]))
```

```
ppltrst.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(ppltrst.1) = c("intercept", "min", "max")
ppltrst.1 = ppltrst.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
ppltrst.1$var = factor(ppltrst.1$var, as.character(ppltrst.1$var))

ggplot(ppltrst.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-10, 10)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

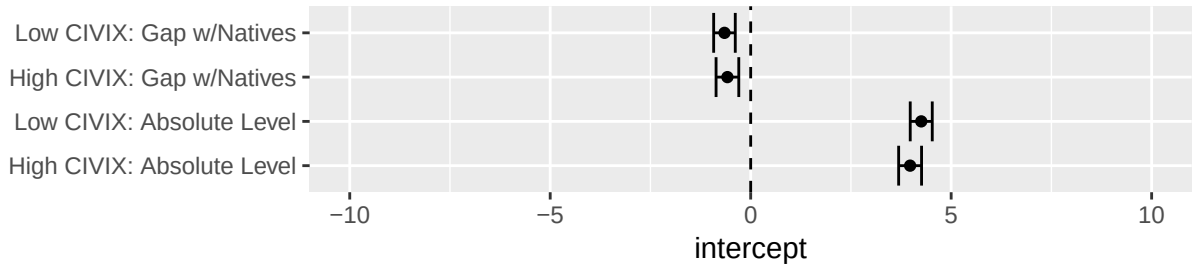

Figure 20: General trust by CIVIX in EU-15, foreign-borns

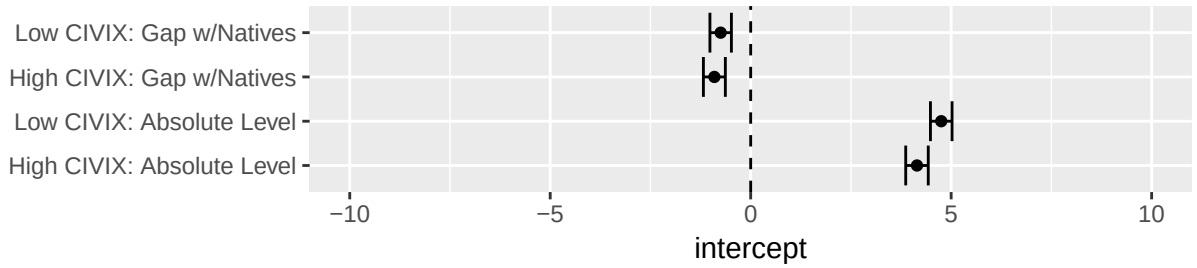

Figure 21: People being fair by CIVIX in EU-15, foreign-borns

```
pplfair.h.1 = lm(pplfair ~ agea + ethnic + female + edu + eubirth, data = ess_h.fborn) # absolute level
pplfair.h.2 = lm(pplfair.gap ~ agea + ethnic + female + edu + eubirth, data = ess_h.fborn) # gap
pplfair.l.1 = lm(pplfair ~ agea + ethnic + female + edu + eubirth, data = ess_l.fborn) # absolute level
pplfair.l.2 = lm(pplfair.gap ~ agea + ethnic + female + edu + eubirth, data = ess_l.fborn) # gap

absolute.h = as.vector(c(pplfair.h.1$coefficients[1],confint(pplfair.h.1)[1,]))
absolute.l = as.vector(c(pplfair.l.1$coefficients[1],confint(pplfair.l.1)[1,]))

gap.h = as.vector(c(pplfair.h.2$coefficients[1],confint(pplfair.h.2)[1,]))
gap.l = as.vector(c(pplfair.l.2$coefficients[1],confint(pplfair.l.2)[1,]))
```

```
pplfair.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(pplfair.1) = c("intercept", "min", "max")
pplfair.1 = pplfair.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
pplfair.1$var = factor(pplfair.1$var, as.character(pplfair.1$var))

ggplot(pplfair.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-10, 10)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

Thinking about birthright citizenship

```
list.cntry = as.vector(unique(ess_raw$cntry))
birthright = c("GB", "PT", "DE", "BE", "DK", "FR", "NL")
no.birthright = list.cntry[!list.cntry %in% birthright]
```

```
h.civix = c("DK", "NL", "DE", "AT", "FR", "GB", "GR")
l.civix = c("IE", "SE", "BE", "PT", "ES", "FI","LU", "IT")
```

With birthright citizenship

```
b.h = birthright[birthright %in% h.civix]
b.l = birthright[birthright %in% l.civix]

dat.b.h = ess_raw %>% filter(cntry %in% b.h)
dat.b.h = dat.b.h %>% left_join(ess_mean, by='cntry')
dat.b.l = ess_raw %>% filter(cntry %in% b.l)
dat.b.l = dat.b.l %>% left_join(ess_mean, by='cntry')

dat.b.h.nonciti = dat.b.h %>% filter(citizen == 0)
dat.b.h.tenyr = dat.b.h %>% filter(residence == 1)
dat.b.h.fborn = dat.b.h %>% filter(fborn == 1)

dat.b.l.nonciti = dat.b.l %>% filter(citizen == 0)
dat.b.l.tenyr = dat.b.l %>% filter(residence == 1)
dat.b.l.fborn = dat.b.l %>% filter(fborn == 1)

dat.b.h.nonciti = dat.b.h.nonciti %>% mutate(
  poli.gap = polintr - mean.poli,
  employ.gap = employ - mean.employ,
  hincfel.gap = hincfel - mean.hincfel,
  ppltrst.gap = ppltrst - mean.ppltrst,
  pplfair.gap = pplfair - mean.pplfair,
  polcmpl.gap = polcmpl - mean.polcmpl,
  poldcs.gap = poldcs - mean.poldcs
  )

dat.b.l.nonciti = dat.b.l.nonciti %>% mutate(
  poli.gap = polintr - mean.poli,
  employ.gap = employ - mean.employ,
  hincfel.gap = hincfel - mean.hincfel,
  ppltrst.gap = ppltrst - mean.ppltrst,
  pplfair.gap = pplfair - mean.pplfair,
  polcmpl.gap = polcmpl - mean.polcmpl,
  poldcs.gap = poldcs - mean.poldcs
  )

dat.b.h.tenyr = dat.b.h.tenyr %>% mutate(
  poli.gap = polintr - mean.poli,
  employ.gap = employ - mean.employ,
  hincfel.gap = hincfel - mean.hincfel,
  ppltrst.gap = ppltrst - mean.ppltrst,
  pplfair.gap = pplfair - mean.pplfair,
  polcmpl.gap = polcmpl - mean.polcmpl,
  poldcs.gap = poldcs - mean.poldcs
  )

dat.b.l.tenyr = dat.b.l.tenyr %>% mutate(
```

```
  poli.gap = polintr - mean.poli,
  employ.gap = employ - mean.employ,
  hincfel.gap = hincfel - mean.hincfel,
  ppltrst.gap = ppltrst - mean.ppltrst,
  pplfair.gap = pplfair - mean.pplfair,
  polcmpl.gap = polcmpl - mean.polcmpl,
  poldcs.gap = poldcs - mean.poldcs
  )

dat.b.h.fborn = dat.b.h.fborn %>% mutate(
  poli.gap = polintr - mean.poli,
  employ.gap = employ - mean.employ,
  hincfel.gap = hincfel - mean.hincfel,
  ppltrst.gap = ppltrst - mean.ppltrst,
  pplfair.gap = pplfair - mean.pplfair,
  polcmpl.gap = polcmpl - mean.polcmpl,
  poldcs.gap = poldcs - mean.poldcs
  )

dat.b.l.fborn = dat.b.l.fborn %>% mutate(
  poli.gap = polintr - mean.poli,
  employ.gap = employ - mean.employ,
  hincfel.gap = hincfel - mean.hincfel,
  ppltrst.gap = ppltrst - mean.ppltrst,
  pplfair.gap = pplfair - mean.pplfair,
  polcmpl.gap = polcmpl - mean.polcmpl,
  poldcs.gap = poldcs - mean.poldcs
  )
```

```
polintr.h.1 = lm(polintr ~ agea + ethnic + female + edu + eubirth, data = dat.b.h.tenyr) # absolute lev
polintr.h.2 = lm(poli.gap ~ agea + ethnic + female + edu + eubirth, data = dat.b.h.tenyr) # gap
polintr.l.1 = lm(polintr ~ agea + ethnic + female + edu + eubirth, data = dat.b.l.tenyr) # absolute lev
polintr.l.2 = lm(poli.gap ~ agea + ethnic + female + edu + eubirth, data = dat.b.l.tenyr) # gap

absolute.h = as.vector(c(polintr.h.1$coefficients[1],confint(polintr.h.1)[1,]))
absolute.l = as.vector(c(polintr.l.1$coefficients[1],confint(polintr.l.1)[1,]))

gap.h = as.vector(c(polintr.h.2$coefficients[1],confint(polintr.h.2)[1,]))
gap.l = as.vector(c(polintr.l.2$coefficients[1],confint(polintr.l.2)[1,]))
```

```
polintr.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(polintr.1) = c("intercept", "min", "max")
polintr.1 = polintr.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
polintr.1$var = factor(polintr.1$var, as.character(polintr.1$var))

ggplot(polintr.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
polcmpl.h.1 = lm(polcmpl ~ agea + ethnic + female + edu + eubirth, data = dat.b.h.tenyr) # absolute lev
polcmpl.h.2 = lm(polcmpl.gap ~ agea + ethnic + female + edu + eubirth, data = dat.b.h.tenyr) # gap
```

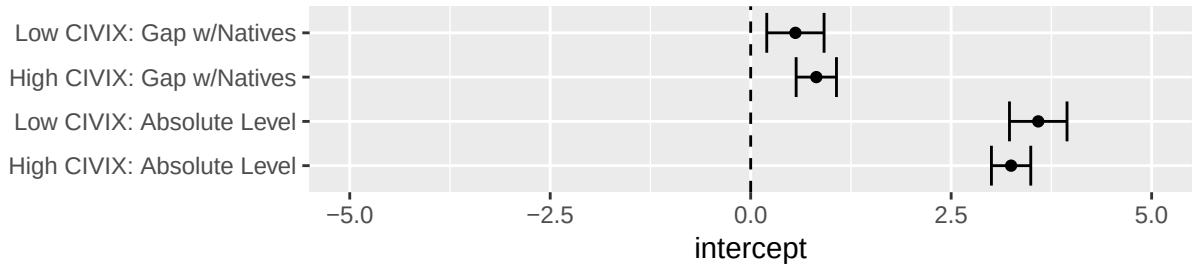

Figure 22: Political interests by CIVIX in countries with birthright citizenship, < 10 yrs

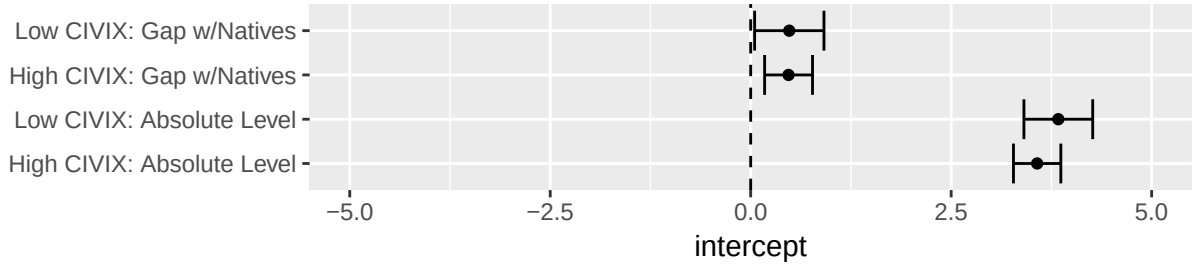

Figure 23: Politics as complicated by CIVIX in countries with birthright citizenship, < 10 yrs

```
polcmpl.l.1 = lm(polcmpl ~ agea + ethnic + female + edu + eubirth, data = dat.b.l.tenyr) # absolute lev
polcmpl.l.2 = lm(polcmpl.gap ~ agea + ethnic + female + edu + eubirth, data = dat.b.l.tenyr) # gap

# length(polintr.h.1$residuals) 1803
# length(polintr.h.2$residuals) 1803
# length(polintr.l.1$residuals) 2659

absolute.h = as.vector(c(polcmpl.h.1$coefficients[1],confint(polcmpl.h.1)[1,]))
absolute.l = as.vector(c(polcmpl.l.1$coefficients[1],confint(polcmpl.l.1)[1,]))

gap.h = as.vector(c(polcmpl.h.2$coefficients[1],confint(polcmpl.h.2)[1,]))
gap.l = as.vector(c(polcmpl.l.2$coefficients[1],confint(polcmpl.l.2)[1,]))
```

```
polcmpl.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(polcmpl.1) = c("intercept", "min", "max")
polcmpl.1 = polcmpl.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
polcmpl.1$var = factor(polcmpl.1$var, as.character(polcmpl.1$var))

ggplot(polcmpl.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
poldcs.h.1 = lm(poldcs ~ agea + ethnic + female + edu + eubirth, data = ess_h.tenyr) # absolute level
poldcs.h.2 = lm(poldcs.gap ~ agea + ethnic + female + edu + eubirth, data = ess_h.tenyr) # gap
poldcs.l.1 = lm(poldcs ~ agea + ethnic + female + edu + eubirth, data = ess_l.tenyr) # absolute level
poldcs.l.2 = lm(poldcs.gap ~ agea + ethnic + female + edu + eubirth, data = ess_l.tenyr) # gap

# length(polintr.h.1$residuals) 1803
```

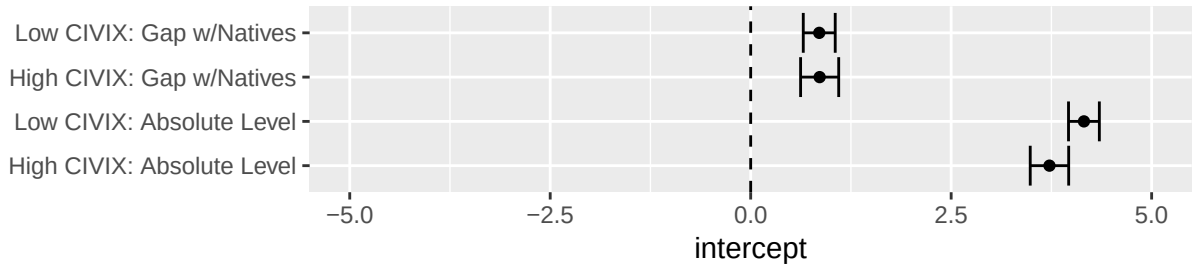

Figure 24: Difficulties in making political decisions by CIVIX in countries with birthright citizenship, < 10 yrs

```
# length(polintr.h.2$residuals) 1803
# length(polintr.l.1$residuals) 2659

absolute.h = as.vector(c(poldcs.h.1$coefficients[1],confint(poldcs.h.1)[1,]))
absolute.l = as.vector(c(poldcs.l.1$coefficients[1],confint(poldcs.l.1)[1,]))

gap.h = as.vector(c(poldcs.h.2$coefficients[1],confint(poldcs.h.2)[1,]))
gap.l = as.vector(c(poldcs.l.2$coefficients[1],confint(poldcs.l.2)[1,]))
```

```
poldcs.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(poldcs.1) = c("intercept", "min", "max")
poldcs.1 = poldcs.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
poldcs.1$var = factor(poldcs.1$var, as.character(poldcs.1$var))

ggplot(poldcs.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
hincfel.h.1 = lm(hincfel ~ agea + ethnic + female + edu + eubirth, data = ess_h.tenyr) # absolute level
hincfel.h.2 = lm(hincfel.gap ~ agea + ethnic + female + edu + eubirth, data = ess_h.tenyr) # gap
hincfel.l.1 = lm(hincfel ~ agea + ethnic + female + edu + eubirth, data = ess_l.tenyr) # absolute level
hincfel.l.2 = lm(hincfel.gap ~ agea + ethnic + female + edu + eubirth, data = ess_l.tenyr) # gap

# length(hincfel.h.1$residuals) 1187
# length(hincfel.l.1$residuals) 1622

absolute.h = as.vector(c(hincfel.h.1$coefficients[1],confint(hincfel.h.1)[1,]))
absolute.l = as.vector(c(hincfel.l.1$coefficients[1],confint(hincfel.l.1)[1,]))

gap.h = as.vector(c(hincfel.h.2$coefficients[1],confint(hincfel.h.2)[1,]))
gap.l = as.vector(c(hincfel.l.2$coefficients[1],confint(hincfel.l.2)[1,]))
```

```
hincfel.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(hincfel.1) = c("intercept", "min", "max")
hincfel.1 = hincfel.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
hincfel.1$var = factor(hincfel.1$var, as.character(hincfel.1$var))

ggplot(hincfel.1,aes(y=var)) +
```

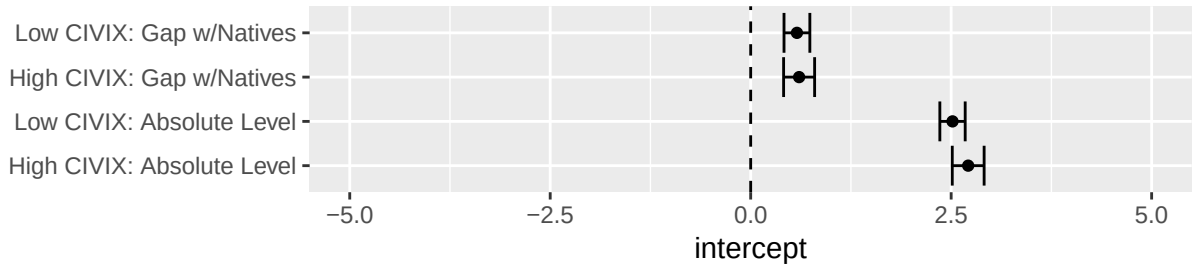

Figure 25: Financial situation by CIVIX in countries with birthright citizenship, < 10 yrs

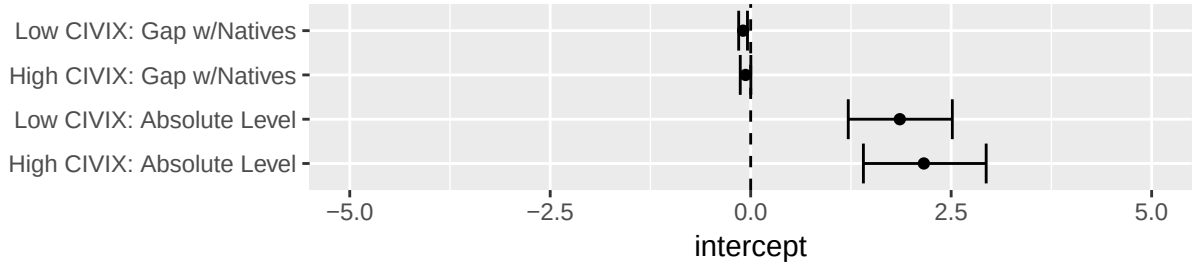

Figure 26: Employment by CIVIX in countries with birthright citizenship, < 10 yrs

```
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
employ.h.1 = glm(employ ~ agea + ethnic + female + edu + eubirth, data = ess_h.tenyr, family = binomial
employ.h.2 = lm(employ.gap ~ agea + ethnic + female + edu + eubirth, data = ess_h.tenyr) # gap
employ.l.1 = glm(employ ~ agea + ethnic + female + edu + eubirth, data = ess_l.tenyr, family = binomial
employ.l.2 = lm(employ.gap ~ agea + ethnic + female + edu + eubirth, data = ess_l.tenyr) # gap

# length(employ.h.1$residuals) 1238
# length(employ.l.1$residuals) 1646

absolute.h = as.vector(c(employ.h.1$coefficients[1],confint(employ.h.1)[1,]))
absolute.l = as.vector(c(employ.l.1$coefficients[1],confint(employ.l.1)[1,]))

gap.h = as.vector(c(employ.h.2$coefficients[1],confint(employ.h.2)[1,]))
gap.l = as.vector(c(employ.l.2$coefficients[1],confint(employ.l.2)[1,]))
```

```
employ.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(employ.1) = c("intercept", "min", "max")
employ.1 = employ.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High C
employ.1$var = factor(employ.1$var, as.character(employ.1$var))

ggplot(employ.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

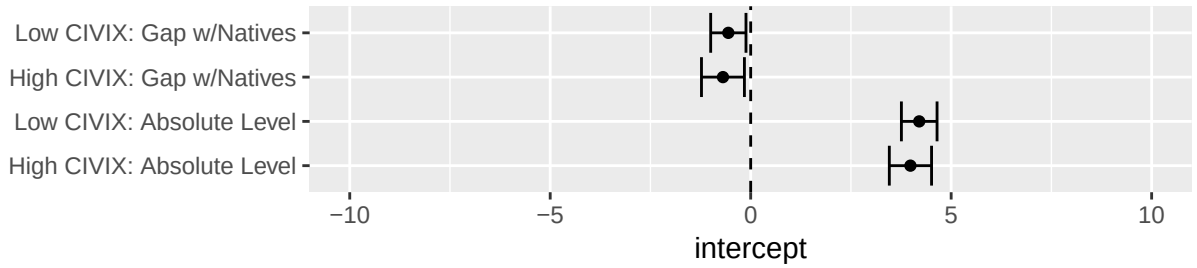

Figure 27: General trust by CIVIX in countries with birthright citizenship, < 10 yrs

```
ppltrst.h.1 = lm(ppltrst ~ agea + ethnic + female + edu + eubirth, data = ess_h.tenyr) # absolute level
ppltrst.h.2 = lm(ppltrst.gap ~ agea + ethnic + female + edu + eubirth, data = ess_h.tenyr) # gap
ppltrst.l.1 = lm(ppltrst ~ agea + ethnic + female + edu + eubirth, data = ess_l.tenyr) # absolute level
ppltrst.l.2 = lm(ppltrst.gap ~ agea + ethnic + female + edu + eubirth, data = ess_l.tenyr) # gap

# length(ppltrst.h.1$residuals) 1231
# length(ppltrst.l.1$residuals) 1632

absolute.h = as.vector(c(ppltrst.h.1$coefficients[1],confint(ppltrst.h.1)[1,]))
absolute.l = as.vector(c(ppltrst.l.1$coefficients[1],confint(ppltrst.l.1)[1,]))

gap.h = as.vector(c(ppltrst.h.2$coefficients[1],confint(ppltrst.h.2)[1,]))
gap.l = as.vector(c(ppltrst.l.2$coefficients[1],confint(ppltrst.l.2)[1,]))
```

```
ppltrst.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(ppltrst.1) = c("intercept", "min", "max")
ppltrst.1 = ppltrst.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
ppltrst.1$var = factor(ppltrst.1$var, as.character(ppltrst.1$var))

ggplot(ppltrst.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-10, 10)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
pplfair.h.1 = lm(pplfair ~ agea + ethnic + female + edu + eubirth, data = ess_h.tenyr) # absolute level
pplfair.h.2 = lm(pplfair.gap ~ agea + ethnic + female + edu + eubirth, data = ess_h.tenyr) # gap
pplfair.l.1 = lm(pplfair ~ agea + ethnic + female + edu + eubirth, data = ess_l.tenyr) # absolute level
pplfair.l.2 = lm(pplfair.gap ~ agea + ethnic + female + edu + eubirth, data = ess_l.tenyr) # gap

absolute.h = as.vector(c(pplfair.h.1$coefficients[1],confint(pplfair.h.1)[1,]))
absolute.l = as.vector(c(pplfair.l.1$coefficients[1],confint(pplfair.l.1)[1,]))

gap.h = as.vector(c(pplfair.h.2$coefficients[1],confint(pplfair.h.2)[1,]))
gap.l = as.vector(c(pplfair.l.2$coefficients[1],confint(pplfair.l.2)[1,]))
```

```
pplfair.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(pplfair.1) = c("intercept", "min", "max")
pplfair.1 = pplfair.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
pplfair.1$var = factor(pplfair.1$var, as.character(pplfair.1$var))
```

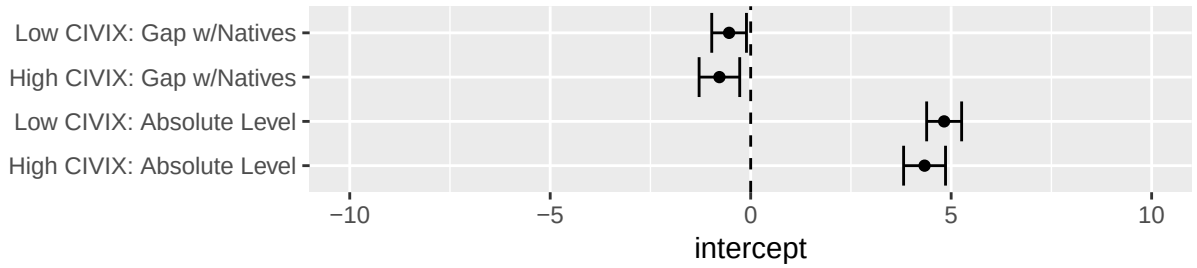

Figure 28: People being fair by CIVIX in countries with birthright citizenship, < 10 yrs

```
ggplot(pplfair.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-10, 10)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

Non-citizens

```
polintr.h.1 = lm(polintr ~ agea + ethnic + female + edu + eubirth, data = dat.b.h.nonciti) # absolute l
polintr.h.2 = lm(poli.gap ~ agea + ethnic + female + edu + eubirth, data = dat.b.h.nonciti) # gap
polintr.l.1 = lm(polintr ~ agea + ethnic + female + edu + eubirth, data = dat.b.l.nonciti) # absolute l
polintr.l.2 = lm(poli.gap ~ agea + ethnic + female + edu + eubirth, data = dat.b.l.nonciti) # gap

absolute.h = as.vector(c(polintr.h.1$coefficients[1],confint(polintr.h.1)[1,]))
absolute.l = as.vector(c(polintr.l.1$coefficients[1],confint(polintr.l.1)[1,]))

gap.h = as.vector(c(polintr.h.2$coefficients[1],confint(polintr.h.2)[1,]))
gap.l = as.vector(c(polintr.l.2$coefficients[1],confint(polintr.l.2)[1,]))
```

```
polintr.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(polintr.1) = c("intercept", "min", "max")
polintr.1 = polintr.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
polintr.1$var = factor(polintr.1$var, as.character(polintr.1$var))

ggplot(polintr.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
polcmpl.h.1 = lm(polcmpl ~ agea + ethnic + female + edu + eubirth, data = dat.b.h.nonciti) # absolute l
polcmpl.h.2 = lm(polcmpl.gap ~ agea + ethnic + female + edu + eubirth, data = dat.b.h.nonciti) # gap
polcmpl.l.1 = lm(polcmpl ~ agea + ethnic + female + edu + eubirth, data = dat.b.l.nonciti) # absolute l
polcmpl.l.2 = lm(polcmpl.gap ~ agea + ethnic + female + edu + eubirth, data = dat.b.l.nonciti) # gap

# length(polintr.h.1$residuals) 1803
# length(polintr.h.2$residuals) 1803
# length(polintr.l.1$residuals) 2659

absolute.h = as.vector(c(polcmpl.h.1$coefficients[1],confint(polcmpl.h.1)[1,]))
```

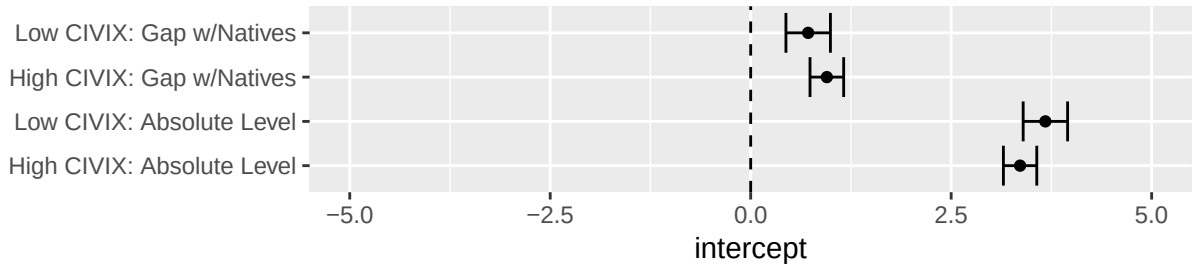

Figure 29: Political interests by CIVIX in countries with birthright citizenship, noncitizens

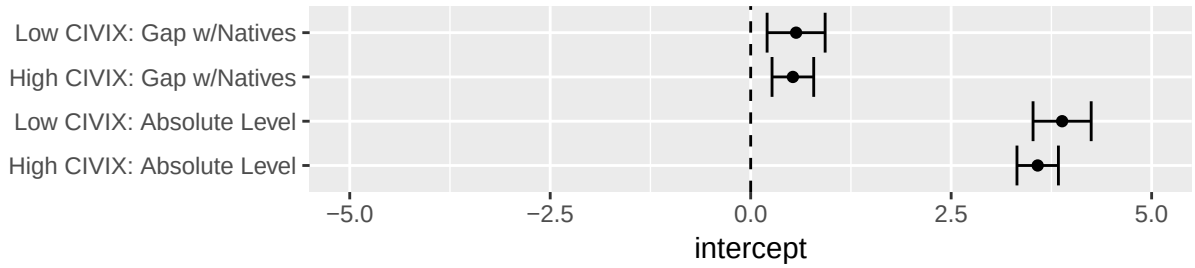

Figure 30: Politics as complicated by CIVIX in countries with birthright citizenship, noncitizens

```
absolute.l = as.vector(c(polcmpl.l.1$coefficients[1],confint(polcmpl.l.1)[1,]))

gap.h = as.vector(c(polcmpl.h.2$coefficients[1],confint(polcmpl.h.2)[1,]))
gap.l = as.vector(c(polcmpl.l.2$coefficients[1],confint(polcmpl.l.2)[1,]))
```

```
polcmpl.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(polcmpl.1) = c("intercept", "min", "max")
polcmpl.1 = polcmpl.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
polcmpl.1$var = factor(polcmpl.1$var, as.character(polcmpl.1$var))

ggplot(polcmpl.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
poldcs.h.1 = lm(poldcs ~ agea + ethnic + female + edu + eubirth, data = dat.b.h.nonciti) # absolute lev
poldcs.h.2 = lm(poldcs.gap ~ agea + ethnic + female + edu + eubirth, data = dat.b.h.nonciti) # gap
poldcs.l.1 = lm(poldcs ~ agea + ethnic + female + edu + eubirth, data = dat.b.l.nonciti) # absolute lev
poldcs.l.2 = lm(poldcs.gap ~ agea + ethnic + female + edu + eubirth, data = dat.b.l.nonciti) # gap

# length(polintr.h.1$residuals) 1803
# length(polintr.h.2$residuals) 1803
# length(polintr.l.1$residuals) 2659

absolute.h = as.vector(c(poldcs.h.1$coefficients[1],confint(poldcs.h.1)[1,]))
absolute.l = as.vector(c(poldcs.l.1$coefficients[1],confint(poldcs.l.1)[1,]))

gap.h = as.vector(c(poldcs.h.2$coefficients[1],confint(poldcs.h.2)[1,]))
gap.l = as.vector(c(poldcs.l.2$coefficients[1],confint(poldcs.l.2)[1,]))
```

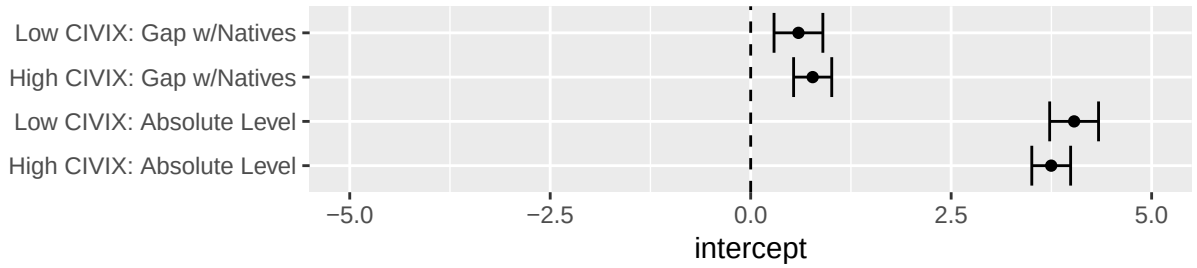

Figure 31: Difficulties in making political decisions by CIVIX in countries with birthright citizenship, noncitizens

```
poldcs.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(poldcs.1) = c("intercept", "min", "max")
poldcs.1 = poldcs.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High C
poldcs.1$var = factor(poldcs.1$var, as.character(poldcs.1$var))

ggplot(poldcs.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
hincfel.h.1 = lm(hincfel ~ agea + ethnic + female + edu + eubirth, data = dat.b.h.nonciti) # absolute l
hincfel.h.2 = lm(hincfel.gap ~ agea + ethnic + female + edu + eubirth, data = dat.b.h.nonciti) # gap
hincfel.l.1 = lm(hincfel ~ agea + ethnic + female + edu + eubirth, data = dat.b.l.nonciti) # absolute l
hincfel.l.2 = lm(hincfel.gap ~ agea + ethnic + female + edu + eubirth, data = dat.b.l.nonciti) # gap

# length(hincfel.h.1$residuals) 1187
# length(hincfel.l.1$residuals) 1622

absolute.h = as.vector(c(hincfel.h.1$coefficients[1],confint(hincfel.h.1)[1,]))
absolute.l = as.vector(c(hincfel.l.1$coefficients[1],confint(hincfel.l.1)[1,]))

gap.h = as.vector(c(hincfel.h.2$coefficients[1],confint(hincfel.h.2)[1,]))
gap.l = as.vector(c(hincfel.l.2$coefficients[1],confint(hincfel.l.2)[1,]))
```

```
hincfel.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(hincfel.1) = c("intercept", "min", "max")
hincfel.1 = hincfel.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
hincfel.1$var = factor(hincfel.1$var, as.character(hincfel.1$var))

ggplot(hincfel.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
employ.h.1 = glm(employ ~ agea + ethnic + female + edu + eubirth, data = dat.b.h.nonciti, family = binor
employ.h.2 = lm(employ.gap ~ agea + ethnic + female + edu + eubirth, data = dat.b.h.nonciti) # gap
employ.l.1 = glm(employ ~ agea + ethnic + female + edu + eubirth, data = dat.b.l.nonciti, family = binor
```

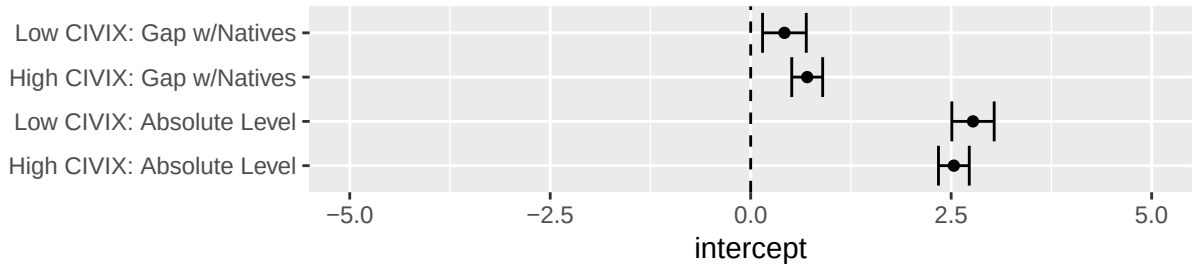

Figure 32: Financial situation by CIVIX in countries with birthright citizenship, noncitizens

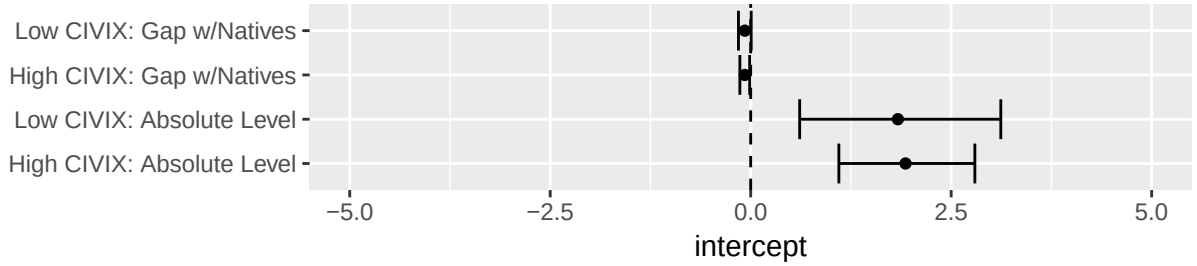

Figure 33: Employment by CIVIX in countries with birthright citizenship, noncitizens

```
employ.l.2 = lm(employ.gap ~ agea + ethnic + female + edu + eubirth, data = dat.b.l.nonciti) # gap

# length(employ.h.1$residuals) 1238
# length(employ.l.1$residuals) 1646

absolute.h = as.vector(c(employ.h.1$coefficients[1],confint(employ.h.1)[1,]))
absolute.l = as.vector(c(employ.l.1$coefficients[1],confint(employ.l.1)[1,]))

gap.h = as.vector(c(employ.h.2$coefficients[1],confint(employ.h.2)[1,]))
gap.l = as.vector(c(employ.l.2$coefficients[1],confint(employ.l.2)[1,]))
```

```
employ.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(employ.1) = c("intercept", "min", "max")
employ.1 = employ.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
employ.1$var = factor(employ.1$var, as.character(employ.1$var))

ggplot(employ.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
ppltrst.h.1 = lm(ppltrst ~ agea + ethnic + female + edu + eubirth, data = dat.b.h.nonciti) # absolute l
ppltrst.h.2 = lm(ppltrst.gap ~ agea + ethnic + female + edu + eubirth, data = dat.b.h.nonciti) # gap
ppltrst.l.1 = lm(ppltrst ~ agea + ethnic + female + edu + eubirth, data = dat.b.l.nonciti) # absolute l
ppltrst.l.2 = lm(ppltrst.gap ~ agea + ethnic + female + edu + eubirth, data = dat.b.l.nonciti) # gap

# length(ppltrst.h.1$residuals) 1231
# length(ppltrst.l.1$residuals) 1632
```

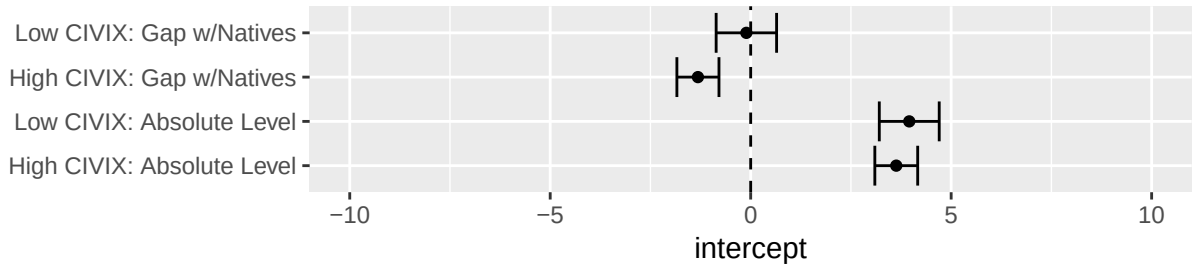

Figure 34: General trust by CIVIX in countries with birthright citizenship, noncitizens

```
absolute.h = as.vector(c(ppltrst.h.1$coefficients[1],confint(ppltrst.h.1)[1,]))
absolute.l = as.vector(c(ppltrst.l.1$coefficients[1],confint(ppltrst.l.1)[1,]))

gap.h = as.vector(c(ppltrst.h.2$coefficients[1],confint(ppltrst.h.2)[1,]))
gap.l = as.vector(c(ppltrst.l.2$coefficients[1],confint(ppltrst.l.2)[1,]))
```

```
ppltrst.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(ppltrst.1) = c("intercept", "min", "max")
ppltrst.1 = ppltrst.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
ppltrst.1$var = factor(ppltrst.1$var, as.character(ppltrst.1$var))

ggplot(ppltrst.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-10, 10)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
pplfair.h.1 = lm(pplfair ~ agea + ethnic + female + edu + eubirth, data = dat.b.h.nonciti) # absolute l
pplfair.h.2 = lm(pplfair.gap ~ agea + ethnic + female + edu + eubirth, data = dat.b.h.nonciti) # gap
pplfair.l.1 = lm(pplfair ~ agea + ethnic + female + edu + eubirth, data = dat.b.l.nonciti) # absolute l
pplfair.l.2 = lm(pplfair.gap ~ agea + ethnic + female + edu + eubirth, data = dat.b.l.nonciti) # gap

absolute.h = as.vector(c(pplfair.h.1$coefficients[1],confint(pplfair.h.1)[1,]))
absolute.l = as.vector(c(pplfair.l.1$coefficients[1],confint(pplfair.l.1)[1,]))

gap.h = as.vector(c(pplfair.h.2$coefficients[1],confint(pplfair.h.2)[1,]))
gap.l = as.vector(c(pplfair.l.2$coefficients[1],confint(pplfair.l.2)[1,]))
```

```
pplfair.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(pplfair.1) = c("intercept", "min", "max")
pplfair.1 = pplfair.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
pplfair.1$var = factor(pplfair.1$var, as.character(pplfair.1$var))

ggplot(pplfair.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-10, 10)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

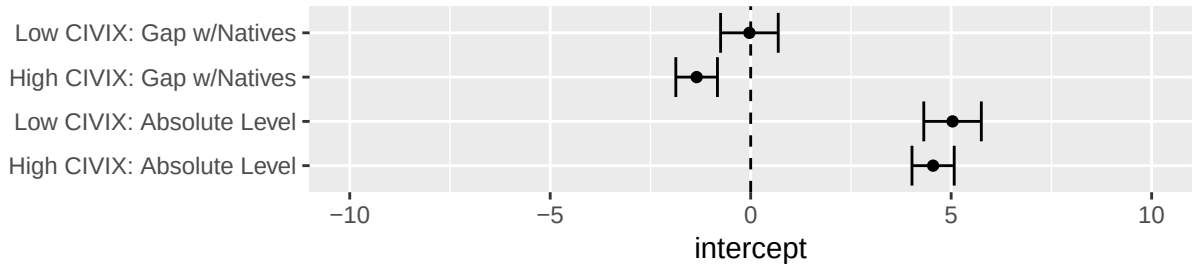

Figure 35: People being fair by CIVIX in countries with birthright citizenship, noncitizens

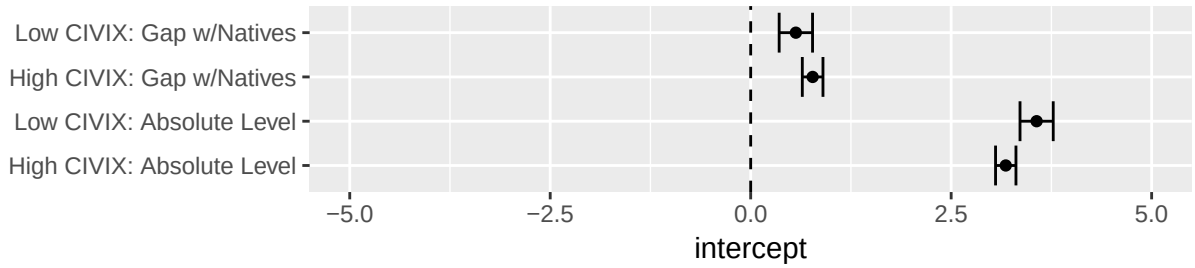

Figure 36: Political interests by CIVIX in countries with birthright citizenship, foreign-borns

Foreign-borns

```
polintr.h.1 = lm(polintr ~ agea + ethnic + female + edu + eubirth, data = dat.b.h.fborn) # absolute lev
polintr.h.2 = lm(poli.gap ~ agea + ethnic + female + edu + eubirth, data = dat.b.h.fborn) # gap
polintr.l.1 = lm(polintr ~ agea + ethnic + female + edu + eubirth, data = dat.b.l.fborn) # absolute lev
polintr.l.2 = lm(poli.gap ~ agea + ethnic + female + edu + eubirth, data = dat.b.l.fborn) # gap

absolute.h = as.vector(c(polintr.h.1$coefficients[1],confint(polintr.h.1)[1,]))
absolute.l = as.vector(c(polintr.l.1$coefficients[1],confint(polintr.l.1)[1,]))

gap.h = as.vector(c(polintr.h.2$coefficients[1],confint(polintr.h.2)[1,]))
gap.l = as.vector(c(polintr.l.2$coefficients[1],confint(polintr.l.2)[1,]))
```

```
polintr.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(polintr.1) = c("intercept", "min", "max")
polintr.1 = polintr.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
polintr.1$var = factor(polintr.1$var, as.character(polintr.1$var))

ggplot(polintr.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
polcmpl.h.1 = lm(polcmpl ~ agea + ethnic + female + edu + eubirth, data = dat.b.h.fborn) # absolute lev
polcmpl.h.2 = lm(polcmpl.gap ~ agea + ethnic + female + edu + eubirth, data = dat.b.h.fborn) # gap
polcmpl.l.1 = lm(polcmpl ~ agea + ethnic + female + edu + eubirth, data = dat.b.l.fborn) # absolute lev
polcmpl.l.2 = lm(polcmpl.gap ~ agea + ethnic + female + edu + eubirth, data = dat.b.l.fborn) # gap

# length(polintr.h.1$residuals) 1803
# length(polintr.h.2$residuals) 1803
```

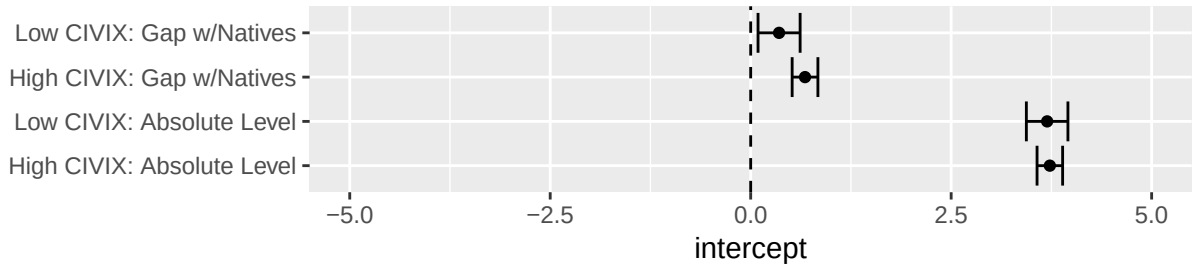

Figure 37: Politics as complicated by CIVIX in countries with birthright citizenship, foreign-borns

```
# length(polintr.l.1$residuals) 2659

absolute.h = as.vector(c(polcmpl.h.1$coefficients[1],confint(polcmpl.h.1)[1,]))
absolute.l = as.vector(c(polcmpl.l.1$coefficients[1],confint(polcmpl.l.1)[1,]))

gap.h = as.vector(c(polcmpl.h.2$coefficients[1],confint(polcmpl.h.2)[1,]))
gap.l = as.vector(c(polcmpl.l.2$coefficients[1],confint(polcmpl.l.2)[1,]))
```

```
polcmpl.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(polcmpl.1) = c("intercept", "min", "max")
polcmpl.1 = polcmpl.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','Hig
polcmpl.1$var = factor(polcmpl.1$var, as.character(polcmpl.1$var))

ggplot(polcmpl.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
poldcs.h.1 = lm(poldcs ~ agea + ethnic + female + edu + eubirth, data = dat.b.h.fborn) # absolute level
poldcs.h.2 = lm(poldcs.gap ~ agea + ethnic + female + edu + eubirth, data = dat.b.h.fborn) # gap
poldcs.l.1 = lm(poldcs ~ agea + ethnic + female + edu + eubirth, data = dat.b.l.fborn) # absolute level
poldcs.l.2 = lm(poldcs.gap ~ agea + ethnic + female + edu + eubirth, data = dat.b.l.fborn) # gap

# length(polintr.h.1$residuals) 1803
# length(polintr.h.2$residuals) 1803
# length(polintr.l.1$residuals) 2659

absolute.h = as.vector(c(poldcs.h.1$coefficients[1],confint(poldcs.h.1)[1,]))
absolute.l = as.vector(c(poldcs.l.1$coefficients[1],confint(poldcs.l.1)[1,]))

gap.h = as.vector(c(poldcs.h.2$coefficients[1],confint(poldcs.h.2)[1,]))
gap.l = as.vector(c(poldcs.l.2$coefficients[1],confint(poldcs.l.2)[1,]))
```

```
poldcs.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(poldcs.1) = c("intercept", "min", "max")
poldcs.1 = poldcs.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
poldcs.1$var = factor(poldcs.1$var, as.character(poldcs.1$var))

ggplot(poldcs.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
```

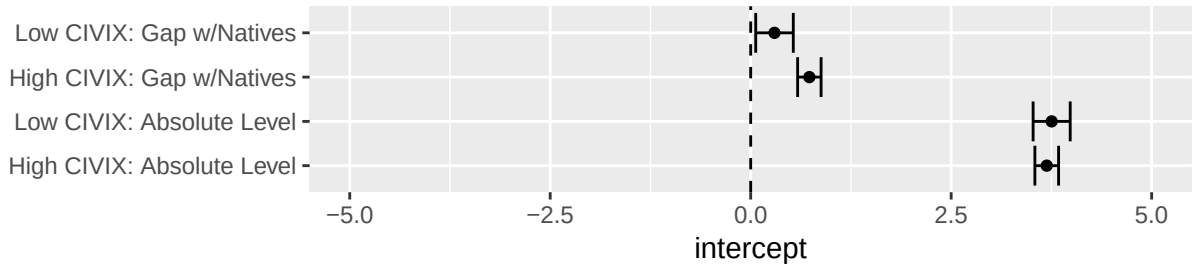

Figure 38: Difficulties in making political decisions by CIVIX in countries with birthright citizenship, foreign-brons

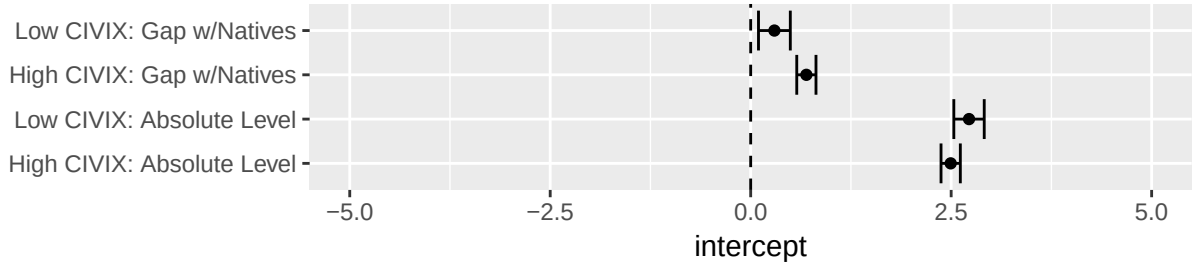

Figure 39: Financial situation by CIVIX in countries with birthright citizenship, foreign-borns

```
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
hincfel.h.1 = lm(hincfel ~ agea + ethnic + female + edu + eubirth, data = dat.b.h.fborn) # absolute lev
hincfel.h.2 = lm(hincfel.gap ~ agea + ethnic + female + edu + eubirth, data = dat.b.h.fborn) # gap
hincfel.l.1 = lm(hincfel ~ agea + ethnic + female + edu + eubirth, data = dat.b.l.fborn) # absolute lev
hincfel.l.2 = lm(hincfel.gap ~ agea + ethnic + female + edu + eubirth, data = dat.b.l.fborn) # gap

# length(hincfel.h.1$residuals) 1187
# length(hincfel.l.1$residuals) 1622

absolute.h = as.vector(c(hincfel.h.1$coefficients[1],confint(hincfel.h.1)[1,]))
absolute.l = as.vector(c(hincfel.l.1$coefficients[1],confint(hincfel.l.1)[1,]))

gap.h = as.vector(c(hincfel.h.2$coefficients[1],confint(hincfel.h.2)[1,]))
gap.l = as.vector(c(hincfel.l.2$coefficients[1],confint(hincfel.l.2)[1,]))
```

```
hincfel.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(hincfel.1) = c("intercept", "min", "max")
hincfel.1 = hincfel.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
hincfel.1$var = factor(hincfel.1$var, as.character(hincfel.1$var))

ggplot(hincfel.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

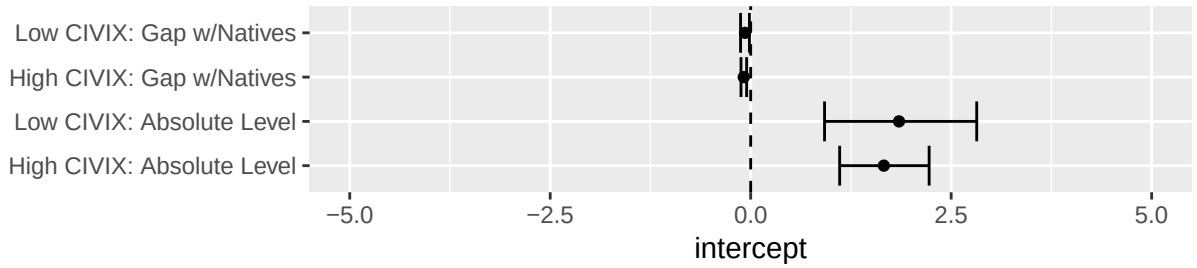

Figure 40: Employment by CIVIX in countries with birthright citizenship, foreign-borns

```
employ.h.1 = glm(employ ~ agea + ethnic + female + edu + eubirth, data = dat.b.h.fborn, family = binomia
employ.h.2 = lm(employ.gap ~ agea + ethnic + female + edu + eubirth, data = dat.b.h.fborn) # gap
employ.l.1 = glm(employ ~ agea + ethnic + female + edu + eubirth, data = dat.b.l.fborn, family = binomia
employ.l.2 = lm(employ.gap ~ agea + ethnic + female + edu + eubirth, data = dat.b.l.fborn) # gap

# length(employ.h.1$residuals) 1238
# length(employ.l.1$residuals) 1646

absolute.h = as.vector(c(employ.h.1$coefficients[1],confint(employ.h.1)[1,]))
absolute.l = as.vector(c(employ.l.1$coefficients[1],confint(employ.l.1)[1,]))

gap.h = as.vector(c(employ.h.2$coefficients[1],confint(employ.h.2)[1,]))
gap.l = as.vector(c(employ.l.2$coefficients[1],confint(employ.l.2)[1,]))
```

```
employ.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(employ.1) = c("intercept", "min", "max")
employ.1 = employ.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High C
employ.1$var = factor(employ.1$var, as.character(employ.1$var))

ggplot(employ.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
ppltrst.h.1 = lm(ppltrst ~ agea + ethnic + female + edu + eubirth, data = dat.b.h.fborn) # absolute lev
ppltrst.h.2 = lm(ppltrst.gap ~ agea + ethnic + female + edu + eubirth, data = dat.b.h.fborn) # gap
ppltrst.l.1 = lm(ppltrst ~ agea + ethnic + female + edu + eubirth, data = dat.b.l.fborn) # absolute lev
ppltrst.l.2 = lm(ppltrst.gap ~ agea + ethnic + female + edu + eubirth, data = dat.b.l.fborn) # gap

# length(ppltrst.h.1$residuals) 1231
# length(ppltrst.l.1$residuals) 1632

absolute.h = as.vector(c(ppltrst.h.1$coefficients[1],confint(ppltrst.h.1)[1,]))
absolute.l = as.vector(c(ppltrst.l.1$coefficients[1],confint(ppltrst.l.1)[1,]))

gap.h = as.vector(c(ppltrst.h.2$coefficients[1],confint(ppltrst.h.2)[1,]))
gap.l = as.vector(c(ppltrst.l.2$coefficients[1],confint(ppltrst.l.2)[1,]))
```

```
ppltrst.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(ppltrst.1) = c("intercept", "min", "max")
```

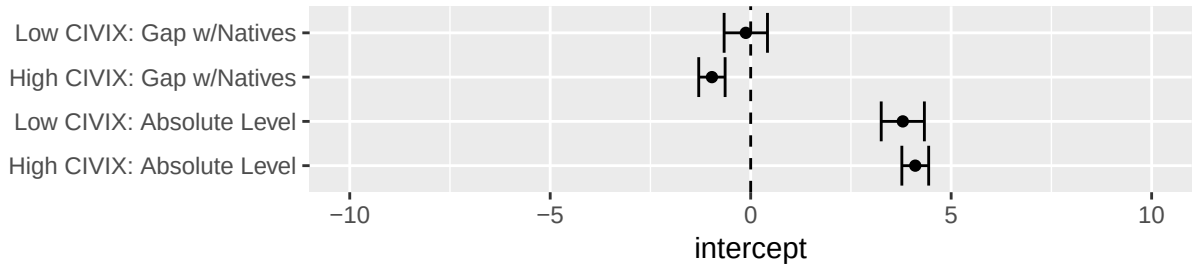

Figure 41: General trust by CIVIX in countries with birthright citizenship, foreign-borns

```
ppltrst.1 = ppltrst.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
ppltrst.1$var = factor(ppltrst.1$var, as.character(ppltrst.1$var))

ggplot(ppltrst.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-10, 10)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
pplfair.h.1 = lm(pplfair ~ agea + ethnic + female + edu + eubirth, data = dat.b.h.fborn) # absolute lev
pplfair.h.2 = lm(pplfair.gap ~ agea + ethnic + female + edu + eubirth, data = dat.b.h.fborn) # gap
pplfair.l.1 = lm(pplfair ~ agea + ethnic + female + edu + eubirth, data = dat.b.l.fborn) # absolute lev
pplfair.l.2 = lm(pplfair.gap ~ agea + ethnic + female + edu + eubirth, data = dat.b.l.fborn) # gap

absolute.h = as.vector(c(pplfair.h.1$coefficients[1],confint(pplfair.h.1)[1,]))
absolute.l = as.vector(c(pplfair.l.1$coefficients[1],confint(pplfair.l.1)[1,]))

gap.h = as.vector(c(pplfair.h.2$coefficients[1],confint(pplfair.h.2)[1,]))
gap.l = as.vector(c(pplfair.l.2$coefficients[1],confint(pplfair.l.2)[1,]))
```

```
pplfair.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(pplfair.1) = c("intercept", "min", "max")
pplfair.1 = pplfair.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
pplfair.1$var = factor(pplfair.1$var, as.character(pplfair.1$var))

ggplot(pplfair.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-10, 10)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

W/o birthright citizenship

```
n.b.h = no.birthright[no.birthright %in% h.civix]
n.b.l = no.birthright[no.birthright %in% l.civix]

dat.n.b.h = ess_raw %>% filter(cntry %in% n.b.h)
dat.n.b.h = dat.n.b.h %>% left_join(ess_mean, by='cntry')
dat.n.b.l = ess_raw %>% filter(cntry %in% n.b.l)
```

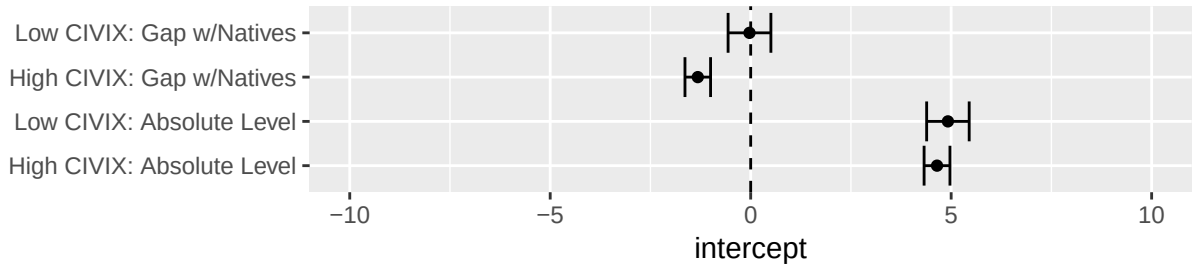

Figure 42: People being fair by CIVIX in countries with birthright citizenship, foreign-borns

```
dat.n.b.l = dat.n.b.l %>% left_join(ess_mean, by='cntry')

dat.n.b.h.nonciti = dat.n.b.h %>% filter(citizen == 0)
dat.n.b.h.tenyr = dat.n.b.h %>% filter(residence == 1)
dat.n.b.h.fborn = dat.n.b.h %>% filter(fborn == 1)

dat.n.b.l.nonciti = dat.n.b.l %>% filter(citizen == 0)
dat.n.b.l.tenyr = dat.n.b.l %>% filter(residence == 1)
dat.n.b.l.fborn = dat.n.b.l %>% filter(fborn == 1)

dat.n.b.h.nonciti = dat.n.b.h.nonciti %>% mutate(
  poli.gap = polintr - mean.poli,
  employ.gap = employ - mean.employ,
  hincfel.gap = hincfel - mean.hincfel,
  ppltrst.gap = ppltrst - mean.ppltrst,
  pplfair.gap = pplfair - mean.pplfair,
  polcmpl.gap = polcmpl - mean.polcmpl,
  poldcs.gap = poldcs - mean.poldcs
  )

dat.n.b.l.nonciti = dat.n.b.l.nonciti %>% mutate(
  poli.gap = polintr - mean.poli,
  employ.gap = employ - mean.employ,
  hincfel.gap = hincfel - mean.hincfel,
  ppltrst.gap = ppltrst - mean.ppltrst,
  pplfair.gap = pplfair - mean.pplfair,
  polcmpl.gap = polcmpl - mean.polcmpl,
  poldcs.gap = poldcs - mean.poldcs
  )

dat.n.b.h.tenyr = dat.n.b.h.tenyr %>% mutate(
  poli.gap = polintr - mean.poli,
  employ.gap = employ - mean.employ,
  hincfel.gap = hincfel - mean.hincfel,
  ppltrst.gap = ppltrst - mean.ppltrst,
  pplfair.gap = pplfair - mean.pplfair,
  polcmpl.gap = polcmpl - mean.polcmpl,
  poldcs.gap = poldcs - mean.poldcs
  )

dat.n.b.l.tenyr = dat.n.b.l.tenyr %>% mutate(
```

```
  poli.gap = polintr - mean.poli,
  employ.gap = employ - mean.employ,
  hincfel.gap = hincfel - mean.hincfel,
  ppltrst.gap = ppltrst - mean.ppltrst,
  pplfair.gap = pplfair - mean.pplfair,
  polcmpl.gap = polcmpl - mean.polcmpl,
  poldcs.gap = poldcs - mean.poldcs
  )

dat.n.b.h.fborn = dat.n.b.h.fborn %>% mutate(
  poli.gap = polintr - mean.poli,
  employ.gap = employ - mean.employ,
  hincfel.gap = hincfel - mean.hincfel,
  ppltrst.gap = ppltrst - mean.ppltrst,
  pplfair.gap = pplfair - mean.pplfair,
  polcmpl.gap = polcmpl - mean.polcmpl,
  poldcs.gap = poldcs - mean.poldcs
  )

dat.n.b.l.fborn = dat.n.b.l.fborn %>% mutate(
  poli.gap = polintr - mean.poli,
  employ.gap = employ - mean.employ,
  hincfel.gap = hincfel - mean.hincfel,
  ppltrst.gap = ppltrst - mean.ppltrst,
  pplfair.gap = pplfair - mean.pplfair,
  polcmpl.gap = polcmpl - mean.polcmpl,
  poldcs.gap = poldcs - mean.poldcs
  )
```

Ten-year residence

```
polintr.h.1 = lm(polintr ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.tenyr) # absolute l
polintr.h.2 = lm(poli.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.tenyr) # gap
polintr.l.1 = lm(polintr ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.tenyr) # absolute l
polintr.l.2 = lm(poli.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.tenyr) # gap

absolute.h = as.vector(c(polintr.h.1$coefficients[1],confint(polintr.h.1)[1,]))
absolute.l = as.vector(c(polintr.l.1$coefficients[1],confint(polintr.l.1)[1,]))

gap.h = as.vector(c(polintr.h.2$coefficients[1],confint(polintr.h.2)[1,]))
gap.l = as.vector(c(polintr.l.2$coefficients[1],confint(polintr.l.2)[1,]))
```

```
polintr.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(polintr.1) = c("intercept", "min", "max")
polintr.1 = polintr.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
polintr.1$var = factor(polintr.1$var, as.character(polintr.1$var))

ggplot(polintr.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

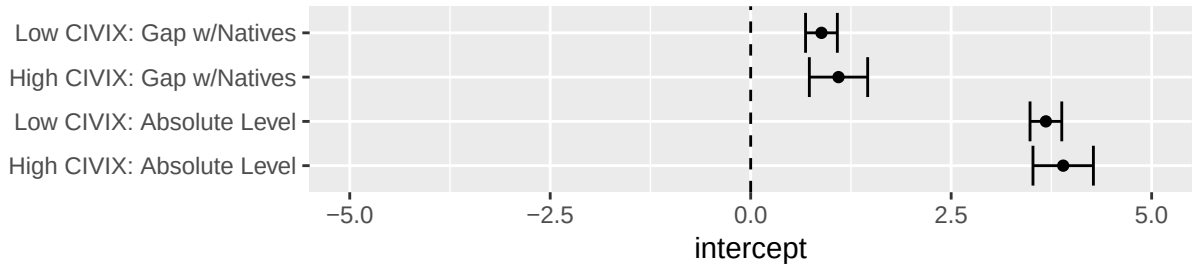

Figure 43: Political interests by CIVIX in countries w/o birthright citizenship, < 10 yrs

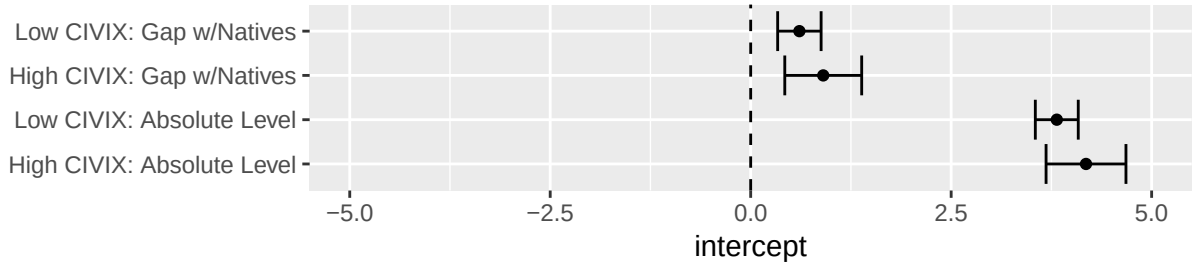

Figure 44: Politics as complicated by CIVIX in countries w/o birthright citizenship, < 10 yrs

```
polcmpl.h.1 = lm(polcmpl ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.tenyr) # absolute l
polcmpl.h.2 = lm(polcmpl.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.tenyr) # gap
polcmpl.l.1 = lm(polcmpl ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.tenyr) # absolute l
polcmpl.l.2 = lm(polcmpl.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.tenyr) # gap

# length(polintr.h.1$residuals) 1803
# length(polintr.h.2$residuals) 1803
# length(polintr.l.1$residuals) 2659

absolute.h = as.vector(c(polcmpl.h.1$coefficients[1],confint(polcmpl.h.1)[1,]))
absolute.l = as.vector(c(polcmpl.l.1$coefficients[1],confint(polcmpl.l.1)[1,]))

gap.h = as.vector(c(polcmpl.h.2$coefficients[1],confint(polcmpl.h.2)[1,]))
gap.l = as.vector(c(polcmpl.l.2$coefficients[1],confint(polcmpl.l.2)[1,]))
```

```
polcmpl.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(polcmpl.1) = c("intercept", "min", "max")
polcmpl.1 = polcmpl.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
polcmpl.1$var = factor(polcmpl.1$var, as.character(polcmpl.1$var))

ggplot(polcmpl.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
poldcs.h.1 = lm(poldcs ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.tenyr) # absolute lev
poldcs.h.2 = lm(poldcs.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.tenyr) # gap
poldcs.l.1 = lm(poldcs ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.tenyr) # absolute lev
poldcs.l.2 = lm(poldcs.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.tenyr) # gap
```

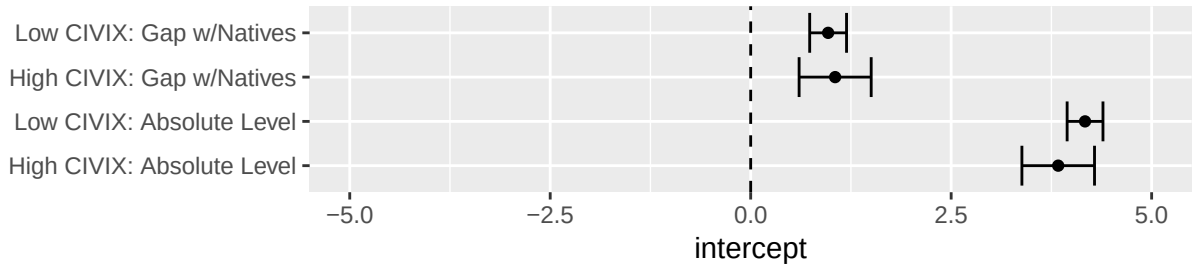

Figure 45: Difficulties in making political decisions by CIVIX in countries w/o birthright citizenship, < 10 yrs

```
# length(polintr.h.1$residuals) 1803
# length(polintr.h.2$residuals) 1803
# length(polintr.l.1$residuals) 2659

absolute.h = as.vector(c(poldcs.h.1$coefficients[1],confint(poldcs.h.1)[1,]))
absolute.l = as.vector(c(poldcs.l.1$coefficients[1],confint(poldcs.l.1)[1,]))

gap.h = as.vector(c(poldcs.h.2$coefficients[1],confint(poldcs.h.2)[1,]))
gap.l = as.vector(c(poldcs.l.2$coefficients[1],confint(poldcs.l.2)[1,]))
```

```
poldcs.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(poldcs.1) = c("intercept", "min", "max")
poldcs.1 = poldcs.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High C
poldcs.1$var = factor(poldcs.1$var, as.character(poldcs.1$var))

ggplot(poldcs.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
hincfel.h.1 = lm(hincfel ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.tenyr) # absolute l
hincfel.h.2 = lm(hincfel.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.tenyr) # gap
hincfel.l.1 = lm(hincfel ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.tenyr) # absolute l
hincfel.l.2 = lm(hincfel.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.tenyr) # gap

# length(hincfel.h.1$residuals) 1187
# length(hincfel.l.1$residuals) 1622

absolute.h = as.vector(c(hincfel.h.1$coefficients[1],confint(hincfel.h.1)[1,]))
absolute.l = as.vector(c(hincfel.l.1$coefficients[1],confint(hincfel.l.1)[1,]))

gap.h = as.vector(c(hincfel.h.2$coefficients[1],confint(hincfel.h.2)[1,]))
gap.l = as.vector(c(hincfel.l.2$coefficients[1],confint(hincfel.l.2)[1,]))
```

```
hincfel.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(hincfel.1) = c("intercept", "min", "max")
hincfel.1 = hincfel.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','Hig
hincfel.1$var = factor(hincfel.1$var, as.character(hincfel.1$var))

ggplot(hincfel.1,aes(y=var)) +
```

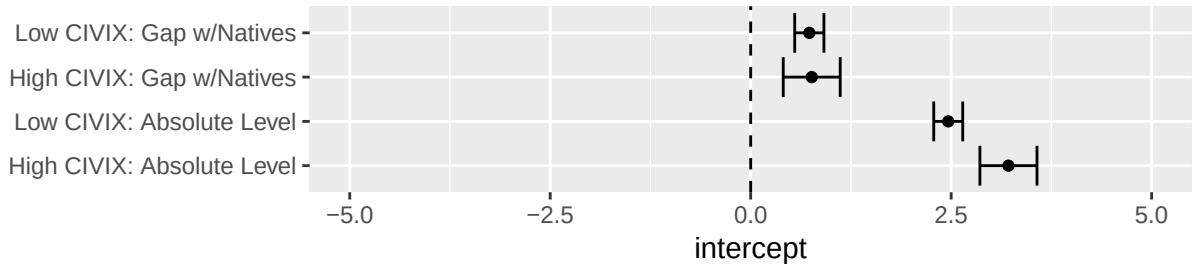

Figure 46: Financial situation by CIVIX in countries w/o birthright citizenship, < 10 yrs

```
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
employ.h.1 = glm(employ ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.tenyr, family = binor
employ.h.2 = lm(employ.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.tenyr) # gap
employ.l.1 = glm(employ ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.tenyr, family = binor
employ.l.2 = lm(employ.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.tenyr) # gap

# length(employ.h.1$residuals) 1238
# length(employ.l.1$residuals) 1646

absolute.h = as.vector(c(employ.h.1$coefficients[1],confint(employ.h.1)[1,]))
absolute.l = as.vector(c(employ.l.1$coefficients[1],confint(employ.l.1)[1,]))

gap.h = as.vector(c(employ.h.2$coefficients[1],confint(employ.h.2)[1,]))
gap.l = as.vector(c(employ.l.2$coefficients[1],confint(employ.l.2)[1,]))
```

```
employ.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(employ.1) = c("intercept", "min", "max")
employ.1 = employ.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
employ.1$var = factor(employ.1$var, as.character(employ.1$var))

ggplot(employ.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
ppltrst.h.1 = lm(ppltrst ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.tenyr) # absolute l
ppltrst.h.2 = lm(ppltrst.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.tenyr) # gap
ppltrst.l.1 = lm(ppltrst ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.tenyr) # absolute l
ppltrst.l.2 = lm(ppltrst.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.tenyr) # gap

# length(ppltrst.h.1$residuals) 1231
# length(ppltrst.l.1$residuals) 1632

absolute.h = as.vector(c(ppltrst.h.1$coefficients[1],confint(ppltrst.h.1)[1,]))
absolute.l = as.vector(c(ppltrst.l.1$coefficients[1],confint(ppltrst.l.1)[1,]))
```

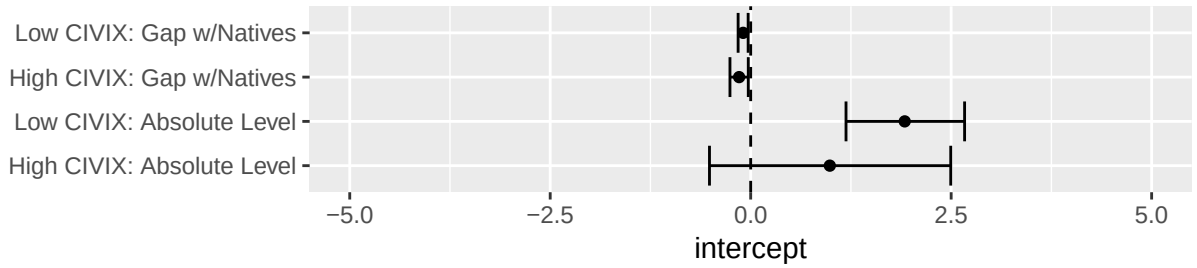

Figure 47: Employment by CIVIX in countries w/o birthright citizenship, < 10 yrs

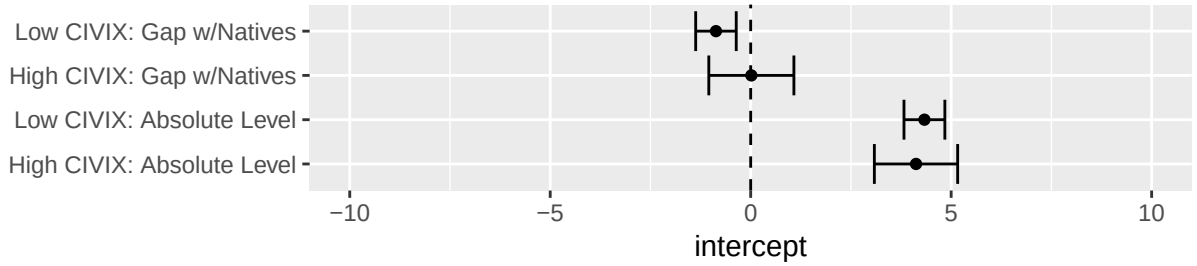

Figure 48: General trust by CIVIX in countries w/o birthright citizenship, < 10 yrs

```
gap.h = as.vector(c(ppltrst.h.2$coefficients[1],confint(ppltrst.h.2)[1,]))
gap.l = as.vector(c(ppltrst.l.2$coefficients[1],confint(ppltrst.l.2)[1,]))
```

```
ppltrst.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(ppltrst.1) = c("intercept", "min", "max")
ppltrst.1 = ppltrst.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
ppltrst.1$var = factor(ppltrst.1$var, as.character(ppltrst.1$var))

ggplot(ppltrst.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-10, 10)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
pplfair.h.1 = lm(pplfair ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.tenyr) # absolute l
pplfair.h.2 = lm(pplfair.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.tenyr) # gap
pplfair.l.1 = lm(pplfair ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.tenyr) # absolute l
pplfair.l.2 = lm(pplfair.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.tenyr) # gap

absolute.h = as.vector(c(pplfair.h.1$coefficients[1],confint(pplfair.h.1)[1,]))
absolute.l = as.vector(c(pplfair.l.1$coefficients[1],confint(pplfair.l.1)[1,]))

gap.h = as.vector(c(pplfair.h.2$coefficients[1],confint(pplfair.h.2)[1,]))
gap.l = as.vector(c(pplfair.l.2$coefficients[1],confint(pplfair.l.2)[1,]))
```

```
pplfair.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(pplfair.1) = c("intercept", "min", "max")
pplfair.1 = pplfair.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
pplfair.1$var = factor(pplfair.1$var, as.character(pplfair.1$var))
```

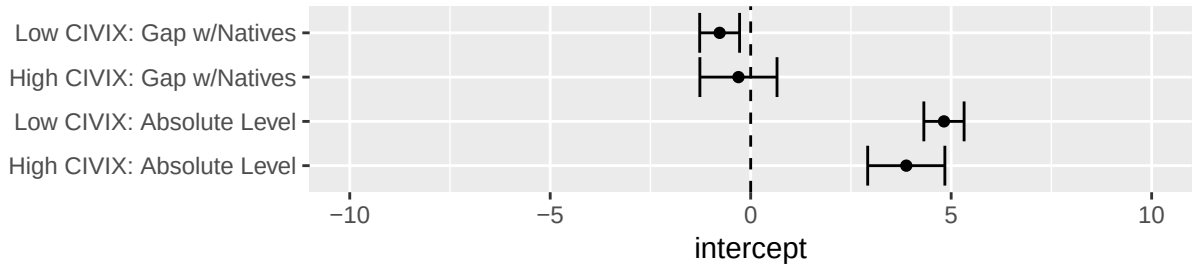

Figure 49: People being fair by CIVIX in countries w/o birthright citizenship, < 10 yrs

```
ggplot(pplfair.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-10, 10)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

Non-citizens

```
polintr.h.1 = lm(polintr ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.nonciti) # absolute
polintr.h.2 = lm(poli.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.nonciti) # gap
polintr.l.1 = lm(polintr ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.nonciti) # absolute
polintr.l.2 = lm(poli.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.nonciti) # gap

absolute.h = as.vector(c(polintr.h.1$coefficients[1],confint(polintr.h.1)[1,]))
absolute.l = as.vector(c(polintr.l.1$coefficients[1],confint(polintr.l.1)[1,]))

gap.h = as.vector(c(polintr.h.2$coefficients[1],confint(polintr.h.2)[1,]))
gap.l = as.vector(c(polintr.l.2$coefficients[1],confint(polintr.l.2)[1,]))
```

```
polintr.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(polintr.1) = c("intercept", "min", "max")
polintr.1 = polintr.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
polintr.1$var = factor(polintr.1$var, as.character(polintr.1$var))

ggplot(polintr.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
polcmpl.h.1 = lm(polcmpl ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.nonciti) # absolute
polcmpl.h.2 = lm(polcmpl.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.nonciti) # gap
polcmpl.l.1 = lm(polcmpl ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.nonciti) # absolute
polcmpl.l.2 = lm(polcmpl.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.nonciti) # gap

# length(polintr.h.1$residuals) 1803
# length(polintr.h.2$residuals) 1803
# length(polintr.l.1$residuals) 2659
```

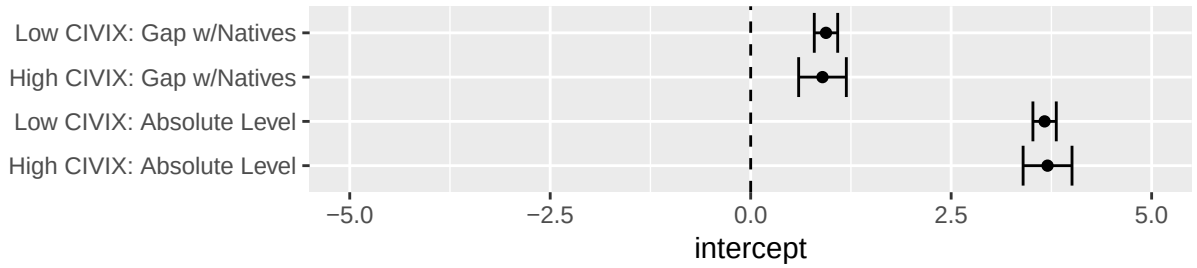

Figure 50: Political interests by CIVIX in countries w/o birthright citizenship, noncitizens

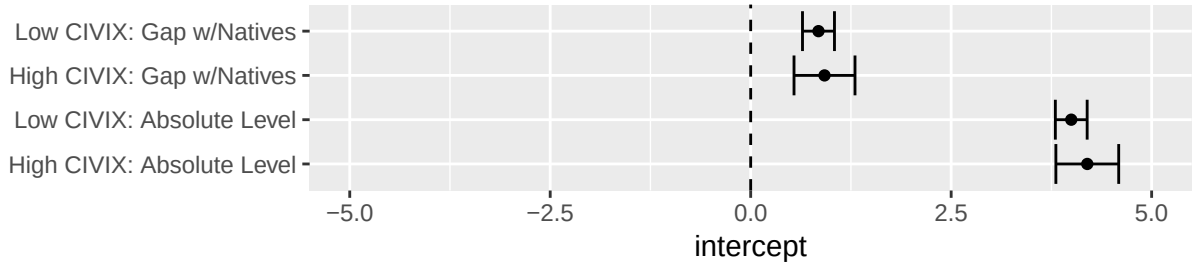

Figure 51: Politics as complicated by CIVIX in countries w/o birthright citizenship, noncitizens

```
absolute.h = as.vector(c(polcmpl.h.1$coefficients[1],confint(polcmpl.h.1)[1,]))
absolute.l = as.vector(c(polcmpl.l.1$coefficients[1],confint(polcmpl.l.1)[1,]))

gap.h = as.vector(c(polcmpl.h.2$coefficients[1],confint(polcmpl.h.2)[1,]))
gap.l = as.vector(c(polcmpl.l.2$coefficients[1],confint(polcmpl.l.2)[1,]))
```

```
polcmpl.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(polcmpl.1) = c("intercept", "min", "max")
polcmpl.1 = polcmpl.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
polcmpl.1$var = factor(polcmpl.1$var, as.character(polcmpl.1$var))

ggplot(polcmpl.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
poldcs.h.1 = lm(poldcs ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.nonciti) # absolute l
poldcs.h.2 = lm(poldcs.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.nonciti) # gap
poldcs.l.1 = lm(poldcs ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.nonciti) # absolute l
poldcs.l.2 = lm(poldcs.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.nonciti) # gap

# length(polintr.h.1$residuals) 1803
# length(polintr.h.2$residuals) 1803
# length(polintr.l.1$residuals) 2659

absolute.h = as.vector(c(poldcs.h.1$coefficients[1],confint(poldcs.h.1)[1,]))
absolute.l = as.vector(c(poldcs.l.1$coefficients[1],confint(poldcs.l.1)[1,]))

gap.h = as.vector(c(poldcs.h.2$coefficients[1],confint(poldcs.h.2)[1,]))
```

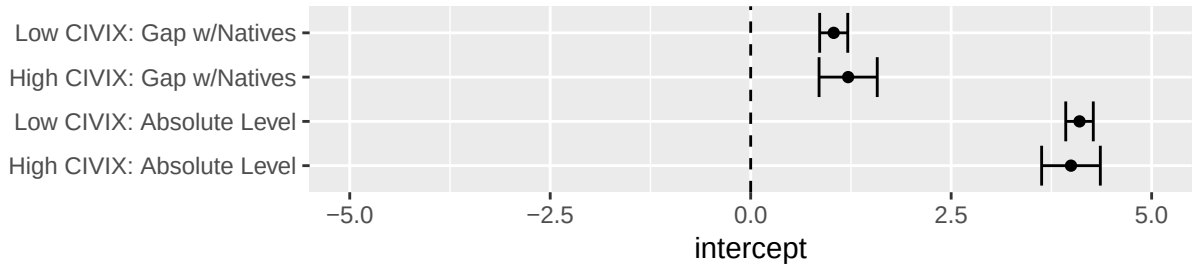

Figure 52: Difficulties in making political decisions by CIVIX in countries w/o birthright citizenship, noncitizens

```
gap.l = as.vector(c(poldcs.l.2$coefficients[1],confint(poldcs.l.2)[1,]))
```

```
poldcs.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(poldcs.1) = c("intercept", "min", "max")
poldcs.1 = poldcs.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
poldcs.1$var = factor(poldcs.1$var, as.character(poldcs.1$var))

ggplot(poldcs.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
hincfel.h.1 = lm(hincfel ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.nonciti) # absolute
hincfel.h.2 = lm(hincfel.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.nonciti) # gap
hincfel.l.1 = lm(hincfel ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.nonciti) # absolute
hincfel.l.2 = lm(hincfel.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.nonciti) # gap

# length(hincfel.h.1$residuals) 1187
# length(hincfel.l.1$residuals) 1622

absolute.h = as.vector(c(hincfel.h.1$coefficients[1],confint(hincfel.h.1)[1,]))
absolute.l = as.vector(c(hincfel.l.1$coefficients[1],confint(hincfel.l.1)[1,]))

gap.h = as.vector(c(hincfel.h.2$coefficients[1],confint(hincfel.h.2)[1,]))
gap.l = as.vector(c(hincfel.l.2$coefficients[1],confint(hincfel.l.2)[1,]))
```

```
hincfel.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(hincfel.1) = c("intercept", "min", "max")
hincfel.1 = hincfel.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','Hig
hincfel.1$var = factor(hincfel.1$var, as.character(hincfel.1$var))

ggplot(hincfel.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
employ.h.1 = glm(employ ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.nonciti, family = bi
employ.h.2 = lm(employ.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.nonciti) # gap
```

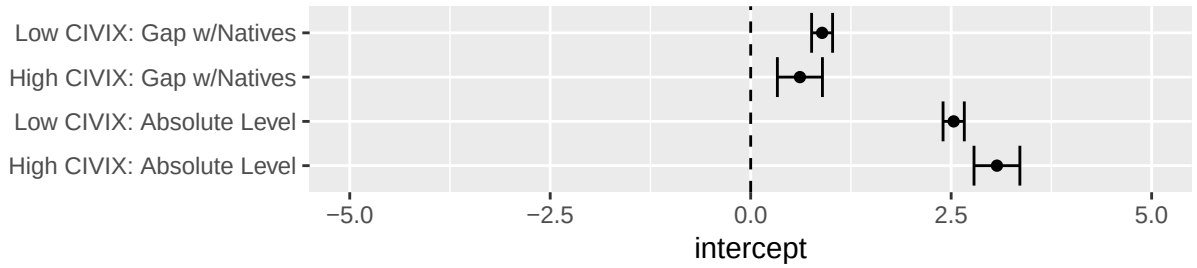

Figure 53: Financial situation by CIVIX in countries w/o birthright citizenship, noncitizens

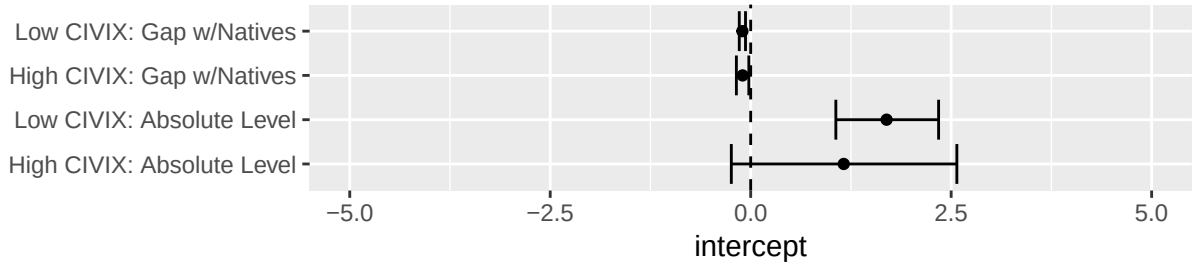

Figure 54: Employment by CIVIX in countries w/o birthright citizenship, noncitizens

```
employ.l.1 = glm(employ ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.nonciti, family = bi
employ.l.2 = lm(employ.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.nonciti) # gap

# length(employ.h.1$residuals) 1238
# length(employ.l.1$residuals) 1646

absolute.h = as.vector(c(employ.h.1$coefficients[1],confint(employ.h.1)[1,]))
absolute.l = as.vector(c(employ.l.1$coefficients[1],confint(employ.l.1)[1,]))

gap.h = as.vector(c(employ.h.2$coefficients[1],confint(employ.h.2)[1,]))
gap.l = as.vector(c(employ.l.2$coefficients[1],confint(employ.l.2)[1,]))
```

```
employ.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(employ.1) = c("intercept", "min", "max")
employ.1 = employ.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
employ.1$var = factor(employ.1$var, as.character(employ.1$var))

ggplot(employ.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
ppltrst.h.1 = lm(ppltrst ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.nonciti) # absolute
ppltrst.h.2 = lm(ppltrst.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.nonciti) # gap
ppltrst.l.1 = lm(ppltrst ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.nonciti) # absolute
ppltrst.l.2 = lm(ppltrst.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.nonciti) # gap

# length(ppltrst.h.1$residuals) 1231
# length(ppltrst.l.1$residuals) 1632
```

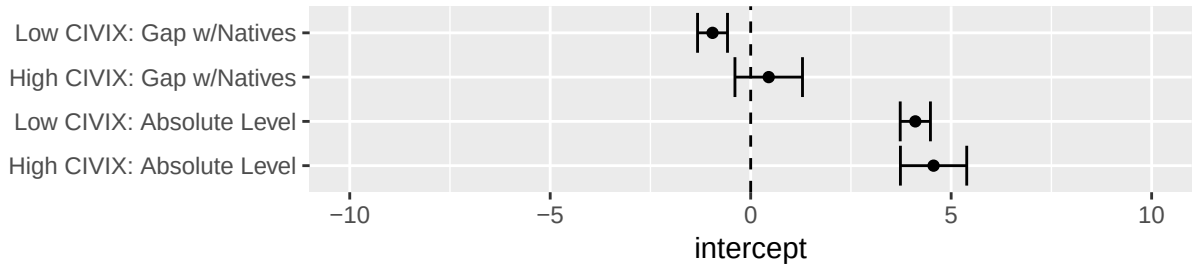

Figure 55: General trust by CIVIX in countries w/o birthright citizenship, noncitizens

```
absolute.h = as.vector(c(ppltrst.h.1$coefficients[1],confint(ppltrst.h.1)[1,]))
absolute.l = as.vector(c(ppltrst.l.1$coefficients[1],confint(ppltrst.l.1)[1,]))

gap.h = as.vector(c(ppltrst.h.2$coefficients[1],confint(ppltrst.h.2)[1,]))
gap.l = as.vector(c(ppltrst.l.2$coefficients[1],confint(ppltrst.l.2)[1,]))
```

```
ppltrst.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(ppltrst.1) = c("intercept", "min", "max")
ppltrst.1 = ppltrst.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
ppltrst.1$var = factor(ppltrst.1$var, as.character(ppltrst.1$var))

ggplot(ppltrst.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-10, 10)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
pplfair.h.1 = lm(pplfair ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.nonciti) # absolute
pplfair.h.2 = lm(pplfair.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.nonciti) # gap
pplfair.l.1 = lm(pplfair ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.nonciti) # absolute
pplfair.l.2 = lm(pplfair.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.nonciti) # gap

absolute.h = as.vector(c(pplfair.h.1$coefficients[1],confint(pplfair.h.1)[1,]))
absolute.l = as.vector(c(pplfair.l.1$coefficients[1],confint(pplfair.l.1)[1,]))

gap.h = as.vector(c(pplfair.h.2$coefficients[1],confint(pplfair.h.2)[1,]))
gap.l = as.vector(c(pplfair.l.2$coefficients[1],confint(pplfair.l.2)[1,]))
```

```
pplfair.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(pplfair.1) = c("intercept", "min", "max")
pplfair.1 = pplfair.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
pplfair.1$var = factor(pplfair.1$var, as.character(pplfair.1$var))

ggplot(pplfair.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-10, 10)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

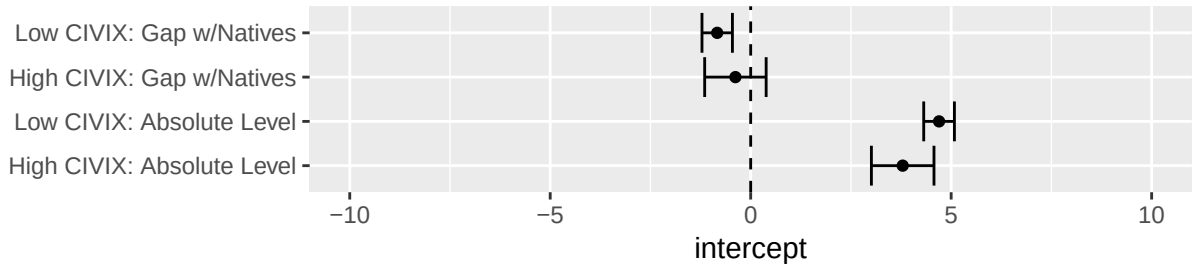

Figure 56: People being fair by CIVIX in countries w/o birthright citizenship, noncitizens

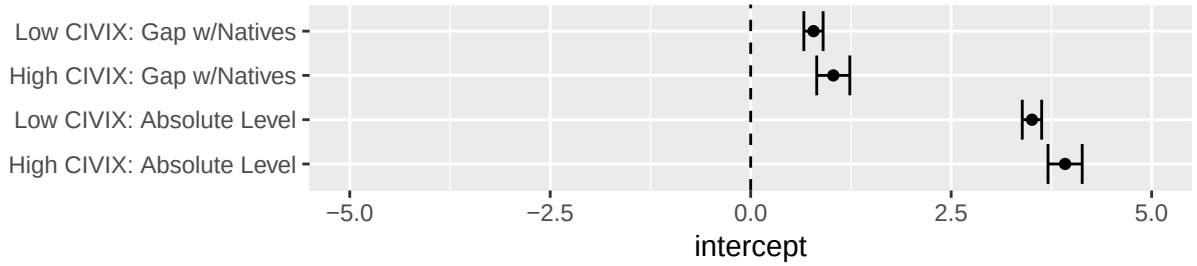

Figure 57: Political interests by CIVIX in countries w/o birthright citizenship, foreign-borns

Foreign-borns

```
polintr.h.1 = lm(polintr ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.fborn) # absolute l
polintr.h.2 = lm(poli.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.fborn) # gap
polintr.l.1 = lm(polintr ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.fborn) # absolute l
polintr.l.2 = lm(poli.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.fborn) # gap

absolute.h = as.vector(c(polintr.h.1$coefficients[1],confint(polintr.h.1)[1,]))
absolute.l = as.vector(c(polintr.l.1$coefficients[1],confint(polintr.l.1)[1,]))

gap.h = as.vector(c(polintr.h.2$coefficients[1],confint(polintr.h.2)[1,]))
gap.l = as.vector(c(polintr.l.2$coefficients[1],confint(polintr.l.2)[1,]))
```

```
polintr.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(polintr.1) = c("intercept", "min", "max")
polintr.1 = polintr.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
polintr.1$var = factor(polintr.1$var, as.character(polintr.1$var))

ggplot(polintr.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
polcmpl.h.1 = lm(polcmpl ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.fborn) # absolute l
polcmpl.h.2 = lm(polcmpl.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.fborn) # gap
polcmpl.l.1 = lm(polcmpl ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.fborn) # absolute l
polcmpl.l.2 = lm(polcmpl.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.fborn) # gap

# length(polintr.h.1$residuals) 1803
# length(polintr.h.2$residuals) 1803
```

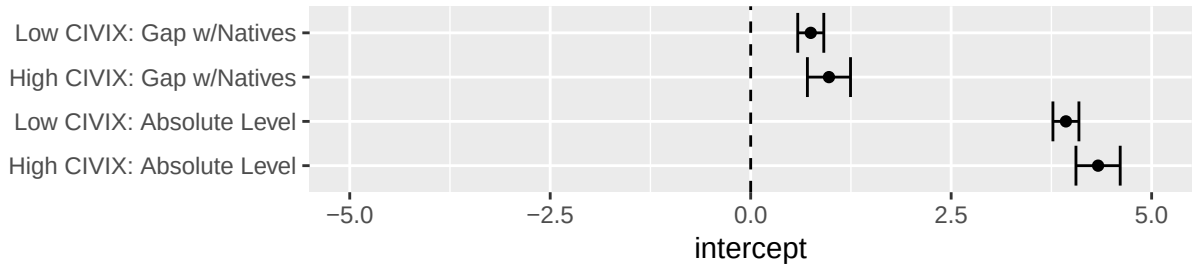

Figure 58: Politics as complicated by CIVIX in countries w/o birthright citizenship, foreign-borns

```
# length(polintr.l.1$residuals) 2659

absolute.h = as.vector(c(polcmpl.h.1$coefficients[1],confint(polcmpl.h.1)[1,]))
absolute.l = as.vector(c(polcmpl.l.1$coefficients[1],confint(polcmpl.l.1)[1,]))

gap.h = as.vector(c(polcmpl.h.2$coefficients[1],confint(polcmpl.h.2)[1,]))
gap.l = as.vector(c(polcmpl.l.2$coefficients[1],confint(polcmpl.l.2)[1,]))
```

```
polcmpl.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(polcmpl.1) = c("intercept", "min", "max")
polcmpl.1 = polcmpl.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','Hig
polcmpl.1$var = factor(polcmpl.1$var, as.character(polcmpl.1$var))

ggplot(polcmpl.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
poldcs.h.1 = lm(poldcs ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.fborn) # absolute lev
poldcs.h.2 = lm(poldcs.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.fborn) # gap
poldcs.l.1 = lm(poldcs ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.fborn) # absolute lev
poldcs.l.2 = lm(poldcs.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.fborn) # gap

# length(polintr.h.1$residuals) 1803
# length(polintr.h.2$residuals) 1803
# length(polintr.l.1$residuals) 2659

absolute.h = as.vector(c(poldcs.h.1$coefficients[1],confint(poldcs.h.1)[1,]))
absolute.l = as.vector(c(poldcs.l.1$coefficients[1],confint(poldcs.l.1)[1,]))

gap.h = as.vector(c(poldcs.h.2$coefficients[1],confint(poldcs.h.2)[1,]))
gap.l = as.vector(c(poldcs.l.2$coefficients[1],confint(poldcs.l.2)[1,]))
```

```
poldcs.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(poldcs.1) = c("intercept", "min", "max")
poldcs.1 = poldcs.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
poldcs.1$var = factor(poldcs.1$var, as.character(poldcs.1$var))

ggplot(poldcs.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
```

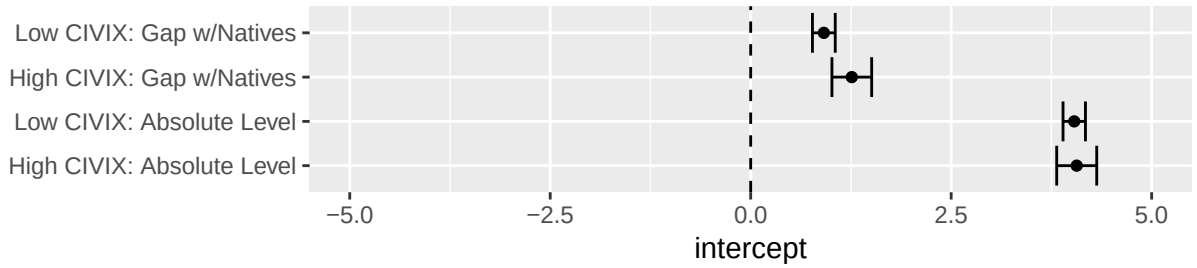

Figure 59: Difficulties in making political decisions by CIVIX in countries w/o birthright citizenship, foreign-borns

```
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
hincfel.h.1 = lm(hincfel ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.fborn) # absolute l
hincfel.h.2 = lm(hincfel.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.fborn) # gap
hincfel.l.1 = lm(hincfel ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.fborn) # absolute l
hincfel.l.2 = lm(hincfel.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.fborn) # gap

# length(hincfel.h.1$residuals) 1187
# length(hincfel.l.1$residuals) 1622

absolute.h = as.vector(c(hincfel.h.1$coefficients[1],confint(hincfel.h.1)[1,]))
absolute.l = as.vector(c(hincfel.l.1$coefficients[1],confint(hincfel.l.1)[1,]))

gap.h = as.vector(c(hincfel.h.2$coefficients[1],confint(hincfel.h.2)[1,]))
gap.l = as.vector(c(hincfel.l.2$coefficients[1],confint(hincfel.l.2)[1,]))
```

```
hincfel.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(hincfel.1) = c("intercept", "min", "max")
hincfel.1 = hincfel.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
hincfel.1$var = factor(hincfel.1$var, as.character(hincfel.1$var))

ggplot(hincfel.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
employ.h.1 = glm(employ ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.fborn, family = binor
employ.h.2 = lm(employ.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.fborn) # gap
employ.l.1 = glm(employ ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.fborn, family = binor
employ.l.2 = lm(employ.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.fborn) # gap

# length(employ.h.1$residuals) 1238
# length(employ.l.1$residuals) 1646

absolute.h = as.vector(c(employ.h.1$coefficients[1],confint(employ.h.1)[1,]))
absolute.l = as.vector(c(employ.l.1$coefficients[1],confint(employ.l.1)[1,]))
```

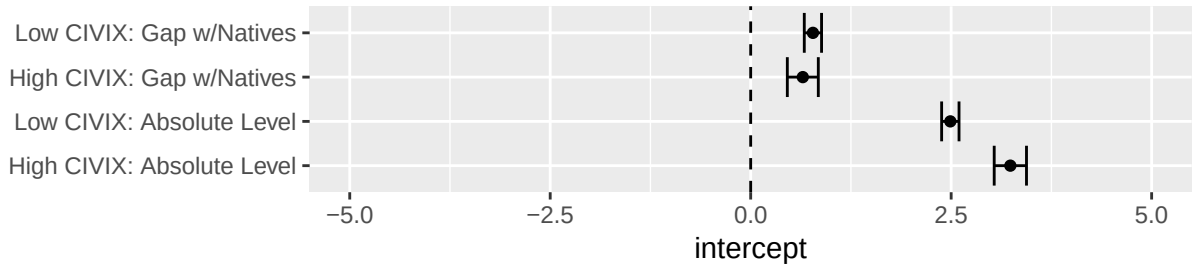

Figure 60: Financial situation by CIVIX in countries w/o birthright citizenship, foreign-borns

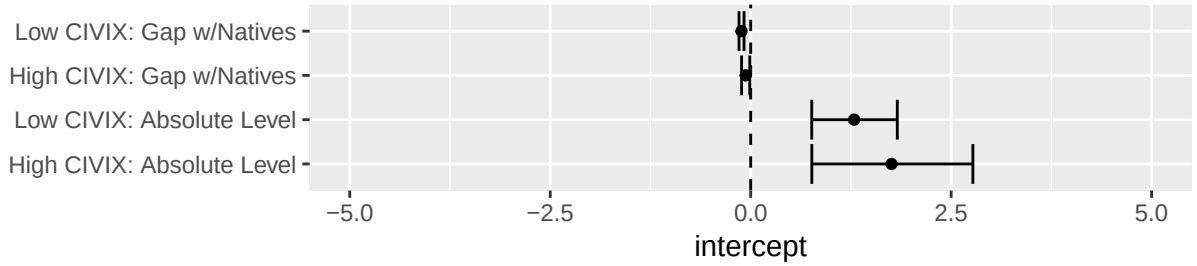

Figure 61: Employment by CIVIX in countries w/o birthright citizenship, foreign-borns

```
gap.h = as.vector(c(employ.h.2$coefficients[1],confint(employ.h.2)[1,]))
gap.l = as.vector(c(employ.l.2$coefficients[1],confint(employ.l.2)[1,]))
```

```
employ.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(employ.1) = c("intercept", "min", "max")
employ.1 = employ.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High C
employ.1$var = factor(employ.1$var, as.character(employ.1$var))

ggplot(employ.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-5, 5)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
ppltrst.h.1 = lm(ppltrst ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.fborn) # absolute l
ppltrst.h.2 = lm(ppltrst.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.fborn) # gap
ppltrst.l.1 = lm(ppltrst ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.fborn) # absolute l
ppltrst.l.2 = lm(ppltrst.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.fborn) # gap

# length(ppltrst.h.1$residuals) 1231
# length(ppltrst.l.1$residuals) 1632

absolute.h = as.vector(c(ppltrst.h.1$coefficients[1],confint(ppltrst.h.1)[1,]))
absolute.l = as.vector(c(ppltrst.l.1$coefficients[1],confint(ppltrst.l.1)[1,]))

gap.h = as.vector(c(ppltrst.h.2$coefficients[1],confint(ppltrst.h.2)[1,]))
gap.l = as.vector(c(ppltrst.l.2$coefficients[1],confint(ppltrst.l.2)[1,]))
```

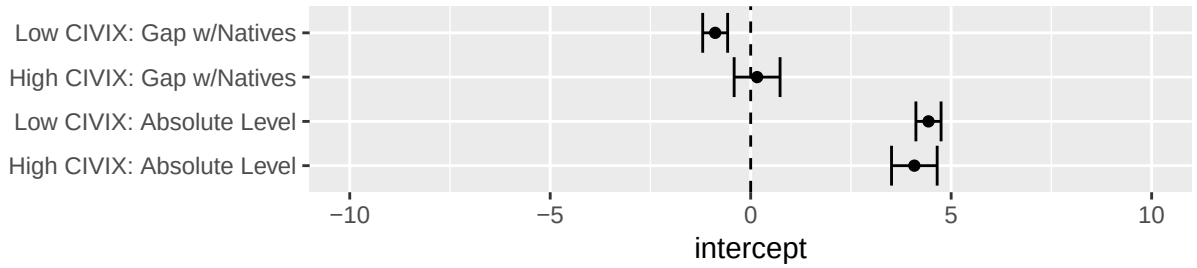

Figure 62: General trust by CIVIX in countries w/o birthright citizenship, foreign-borns

```
ppltrst.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(ppltrst.1) = c("intercept", "min", "max")
ppltrst.1 = ppltrst.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
ppltrst.1$var = factor(ppltrst.1$var, as.character(ppltrst.1$var))

ggplot(ppltrst.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-10, 10)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

```
pplfair.h.1 = lm(pplfair ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.fborn) # absolute l
pplfair.h.2 = lm(pplfair.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.h.fborn) # gap
pplfair.l.1 = lm(pplfair ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.fborn) # absolute l
pplfair.l.2 = lm(pplfair.gap ~ agea + ethnic + female + edu + eubirth, data = dat.n.b.l.fborn) # gap

absolute.h = as.vector(c(pplfair.h.1$coefficients[1],confint(pplfair.h.1)[1,]))
absolute.l = as.vector(c(pplfair.l.1$coefficients[1],confint(pplfair.l.1)[1,]))

gap.h = as.vector(c(pplfair.h.2$coefficients[1],confint(pplfair.h.2)[1,]))
gap.l = as.vector(c(pplfair.l.2$coefficients[1],confint(pplfair.l.2)[1,]))
```

```
pplfair.1 = as.data.frame(rbind(absolute.h, absolute.l, gap.h, gap.l))
colnames(pplfair.1) = c("intercept", "min", "max")
pplfair.1 = pplfair.1 %>% mutate(var = c('High CIVIX: Absolute Level', 'Low CIVIX: Absolute Level','High
pplfair.1$var = factor(pplfair.1$var, as.character(pplfair.1$var))

ggplot(pplfair.1,aes(y=var)) +
  geom_point(aes(x = intercept)) +
  geom_errorbarh(aes(xmin = min, xmax = max)) +
  coord_cartesian(xlim = c(-10, 10)) +
  geom_vline(xintercept = 0, linetype = "dashed") +
  ylab("")
```

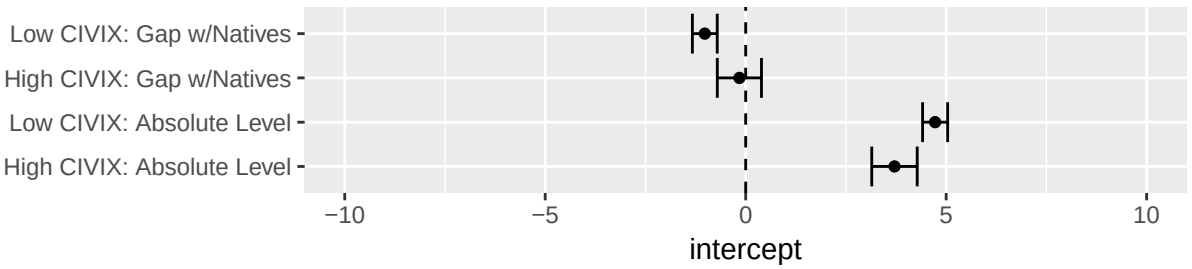

Figure 63: People being fair by CIVIX in countries w/o birthright citizenship, foreign-borns