Is there an association between early childhood adversity and higher depression scores in US adults?

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```r
#needed questionnaires
#install.packages("haven")
#install.packages("nhanesA")
library(nhanesA)
library(haven)
library(tidyverse)
```

```
## -- Attaching core tidyverse packages ----------------------- tidyverse 2.0.0 --
## v dplyr     1.1.4      v readr     2.1.5
## v forcats   1.0.0      v stringr   1.5.1
## v ggplot2   3.5.1      v tibble    3.2.1
## v lubridate 1.9.3      v tidyr     1.3.1
## v purrr     1.0.2
## -- Conflicts ----------------------------------------- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
## i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors
```

```r
#library(nhanesA)
#depress <- read_xpt("D:/_uoft_1/5 1/depress-and-childhood/data/DPQ_J.XPT")
depress <- nhanes("DPQ_J")
#child <- read_xpt("D:/_uoft_1/5 1/depress-and-childhood/data/ECQ_J.XPT")
child <- nhanes("ECQ_J")
```

```r
# merge 2 datasets
clean_data_T <- merge(depress, child, by = "SEQN", all.x =T, all.y =T)
clean_data_F <- merge(depress, child, by = "SEQN", all=FALSE)
head(clean_data_T)
```

```
##    SEQN     DPQ010     DPQ020     DPQ030     DPQ040     DPQ050     DPQ060
## 1 93703       <NA>       <NA>       <NA>       <NA>       <NA>       <NA>
## 2 93704       <NA>       <NA>       <NA>       <NA>       <NA>       <NA>
## 3 93705 Not at all Not at all Not at all Not at all Not at all Not at all
## 4 93706 Not at all Not at all Not at all Not at all Not at all Not at all
## 5 93707       <NA>       <NA>       <NA>       <NA>       <NA>       <NA>
## 6 93708 Not at all Not at all Not at all Not at all Not at all Not at all
##        DPQ070     DPQ080     DPQ090 DPQ100 ECD010 ECQ020 ECD070A ECD070B ECQ080
## 1       <NA>       <NA>       <NA>   <NA>     35     No       8      11   <NA>
```

```
## 2          <NA>        <NA>          <NA>    <NA>      29      No       7        9  <NA>
## 3 Not at all Not at all Not at all    <NA>      NA    <NA>      NA       NA  <NA>
## 4 Not at all Not at all Not at all    <NA>      NA    <NA>      NA       NA  <NA>
## 5          <NA>        <NA>          <NA>    <NA>      34      No       7        2  <NA>
## 6 Not at all Not at all Not at all    <NA>      NA    <NA>      NA       NA  <NA>
##   ECQ090              WHQ030E MCQ080E ECQ150
## 1   <NA> About the right weight      No    <NA>
## 2   <NA> About the right weight      No    <NA>
## 3   <NA>                   <NA>    <NA>    <NA>
## 4   <NA>                   <NA>    <NA>    <NA>
## 5   <NA> About the right weight      No    <NA>
## 6   <NA>                   <NA>    <NA>    <NA>
```

```r
head(clean_data_F)
```

```
##  [1] SEQN    DPQ010  DPQ020  DPQ030  DPQ040  DPQ050  DPQ060  DPQ070  DPQ080
## [10] DPQ090  DPQ100  ECD010  ECQ020  ECD070A ECD070B ECQ080  ECQ090  WHQ030E
## [19] MCQ080E ECQ150
## <0 > ( 0- row.names)
```

```r
# filter missing and refused
```