Descriptive Stats

```
years_rad <- sapply(c("6W.", "2Y.", "5Y."), function(x) paste(x, vars$radiology), simplify = TRUE)
years_quality <- sapply(c("6M.", "2Y.", "5Y."), function(x) paste(x, vars$quality), simplify = TRUE)
quality_first <- paste(vars$quality, "_First Visit", sep="")

all_vars <- c(
  unlist(vars[c("demographics", "radiology", "surgery")]) %>% unique,
  '2 YEAR VISIT - Date of visit',
  '3 YEAR VISIT - Date of visit',
  '5 YEAR VISIT - Date of visit',
  '6 YEAR VISIT - Date of visit',
  'Code of the patient',
  'st1. Date of Stage',
  years_rad,
  years_quality,
  quality_first
)

clinical_data <- rbind(
  clinical_data_0[, .SD, .SDcols=all_vars][, type:='non-depuy'],
  clinical_data_1[, .SD, .SDcols=all_vars][, type:='depuy']
)
```

Filters

```
discarded_patients <- readLines('five_years/discarded_patients')

clinical_data %<>%
  .[, followup_2y :=
      !is.na(`2 YEAR VISIT - Date of visit`) |
      !is.na(`3 YEAR VISIT - Date of visit`)] %>%
  .[, followup_5y :=
      !is.na(`5 YEAR VISIT - Date of visit`) |
      !is.na(`6 YEAR VISIT - Date of visit`)]
```

- Number of Patients

```
clinical_data[, .(total=`Code of the patient` %>% uniqueN), type]
```

```
        type total
1: non-depuy   708
2:     depuy   607
```

- Number of patients with visit in 2 years

```
clinical_data[followup_2y==TRUE, .(total=`Code of the patient` %>% uniqueN), type]
```

```
        type total
1: non-depuy   465
2:     depuy   434
```

- Number of patients with visit in 5 years

```
clinical_data[followup_5y==TRUE, .(total=`Code of the patient` %>% uniqueN), type]
```

```
        type total
1: non-depuy   220
2:     depuy   224
```

```
clinical_data %<>%
  .[followup_2y==TRUE] %>%
  .[`st1. Date of Stage` %>% as.Date() < as.Date('2016-6-1')]
```

Total Patients for the analysis

```
clinical_data[, .(total=`Code of the patient` %>% uniqueN), type]
```

```
        type total
1: non-depuy   226
2:     depuy   260
```

Demographics

```
Age
[1] "stats"
        type     mean       sd   N
1: non-depuy 58.72817 19.44153 226
2:     depuy 56.01154 18.35146 260
[1] "p_val"
[1] 0.1154856


Gender
[1] "table_depuy"

Female   Male
   204     56
[1] "proportion_depuy"

   Female      Male
0.7846154 0.2153846
[1] "table_nondepuy"

Female   Male
   178     48
```

```
[1] "proportion_nondepuy"

   Female      Male
0.7876106 0.2123894
[1] "p_val_Male"
[1] 1
[1] "p_val_Female"
[1] 1


Prior Spine Surgery
[1] "table_depuy"

 No Yes
169  91
[1] "proportion_depuy"

  No  Yes
0.65 0.35
[1] "table_nondepuy"

 No Yes
162  64
[1] "proportion_nondepuy"

       No       Yes
0.7168142 0.2831858
[1] "p_val_No"
[1] 0.1392032
[1] "p_val_Yes"
[1] 0.1392032


Height (cm)_First Visit
[1] "stats"
        type     mean       sd   N
1: non-depuy 162.7679 9.691642 224
2:     depuy 162.8301 9.095643 259
[1] "p_val"
[1] 0.9422866


Weight (kgs)_First Visit
[1] "stats"
        type     mean       sd   N
1: non-depuy 65.44420 13.08305 224
2:     depuy 66.53462 12.69948 260
[1] "p_val"
[1] 0.3545402


BMI_First Visit
[1] "stats"
        type     mean       sd   N
```

```
1: non-depuy 24.70183 4.420484 224
2:     depuy 25.09981 4.563928 259
[1] "p_val"
[1] 0.3315682


ASA classification
[1] "table_depuy"

  1   2   3   4
 59 142  59   0
[1] "proportion_depuy"

        1         2         3         4
0.2269231 0.5461538 0.2269231 0.0000000
[1] "table_nondepuy"

  1   2   3   4
 88 120  17   0
[1] "proportion_nondepuy"

         1          2          3          4
0.39111111 0.53333333 0.07555556 0.00000000


Tobacco use_First Visit
[1] "table_depuy"

         Current User: 1 pack per day         Current User: 2 packs per day
                                   16                                     1
Current User: 3 packs or more per day   Current User: Less than 1pk per day
                                    3                                    40
                  Ex-User: 0-6 months            Ex-User: 1 year or greater
                                    5                                     2
            Ex-User: 2 yrs or greater                  Ex-User: 6-12 months
                                   28                                     2
                           Non-User
                                163
[1] "proportion_depuy"

         Current User: 1 pack per day         Current User: 2 packs per day
                           0.061538462                          0.003846154
Current User: 3 packs or more per day   Current User: Less than 1pk per day
                           0.011538462                          0.153846154
                  Ex-User: 0-6 months            Ex-User: 1 year or greater
                           0.019230769                          0.007692308
            Ex-User: 2 yrs or greater                  Ex-User: 6-12 months
                           0.107692308                          0.007692308
                              Non-User
                           0.626923077
[1] "table_nondepuy"

       Current User: 1 pack per day Current User: Less than 1pk per day
                                  7                                   25
```

```
               Ex-User: 0-6 months          Ex-User: 1 year or greater
                                 8                                   1
         Ex-User: 2 yrs or greater                Ex-User: 6-12 months
                                38                                   2
                         Non-User
                              145
[1] "proportion_nondepuy"

       Current User: 1 pack per day Current User: Less than 1pk per day
                         0.030973451                          0.110619469
               Ex-User: 0-6 months          Ex-User: 1 year or greater
                         0.035398230                          0.004424779
          Ex-User: 2 yrs or greater                Ex-User: 6-12 months
                         0.168141593                          0.008849558
                           Non-User
                         0.641592920


ESSG Diagnosis
[1] "table_depuy"

                 Congenital                Degenerative
                          7                         114
               Failed-back                  Idiopathic
                         18                          95
             Neuromuscular Other: radiotherapy induced
                          5                           1
            Post-traumatic                 Scheuermann
                          7                           9
                  Syndromic
                          4
[1] "proportion_depuy"

                 Congenital                Degenerative
                0.026923077                 0.438461538
                Failed-back                  Idiopathic
                0.069230769                 0.365384615
              Neuromuscular Other: radiotherapy induced
                0.019230769                 0.003846154
             Post-traumatic                 Scheuermann
                0.026923077                 0.034615385
                  Syndromic
                0.015384615
[1] "table_nondepuy"

              Congenital             Degenerative              Failed-back
                       7                       62                        7
              Idiopathic            Neuromuscular Other: spondylolisthesis
                     122                        1                        1
          Post-traumatic              Scheuermann
                      12                       14
[1] "proportion_nondepuy"

              Congenital             Degenerative              Failed-back
```

```
            0.030973451              0.274336283              0.030973451
             Idiopathic            Neuromuscular Other: spondylolisthesis
            0.539823009              0.004424779              0.004424779
         Post-traumatic              Scheuermann
            0.053097345              0.061946903


Surgical Approach
[1] "table_depuy"

Anterior-Posterior          Posterior Posterior-Anterior
                 5                250                  5
[1] "proportion_depuy"

Anterior-Posterior          Posterior Posterior-Anterior
        0.01923077         0.96153846         0.01923077
[1] "table_nondepuy"
< table of extent 0 >
[1] "proportion_nondepuy"
numeric(0)
```

Radiology

```
Static Major curve Cobb angle
[1] "stats"
        type     mean       sd   N
1: non-depuy 45.93621 23.71404 219
2:     depuy 42.39179 20.56321 246
[1] "p_val"
[1] 0.08762569


6W. Static Major curve Cobb angle
[1] "stats"
        type     mean       sd   N
1: non-depuy 22.54969 17.54126 130
2:     depuy 22.12236 14.49691 220
[1] "p_val"
[1] 0.814842


6W. Static Major curve Cobb angle_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -19.69623 13.86465 130
2:     depuy -20.84132 15.39504 219
[1] "p_val"
[1] 0.4748333


2Y. Static Major curve Cobb angle
[1] "stats"
        type     mean       sd   N
```

```
1: non-depuy 23.22415 17.34049 123
2:     depuy 23.92011 17.18999 186
[1] "p_val"
[1] 0.729218


2Y. Static Major curve Cobb angle_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -23.09016 16.26908 123
2:     depuy -19.35202 15.30574 183
[1] "p_val"
[1] 0.04467616


5Y. Static Major curve Cobb angle
[1] "stats"
        type     mean       sd  N
1: non-depuy 25.02853 16.59048 68
2:     depuy 22.61644 17.98226 90
[1] "p_val"
[1] 0.3842627


5Y. Static Major curve Cobb angle_gain
[1] "stats"
        type      mean       sd  N
1: non-depuy -26.56059 14.37802 68
2:     depuy -22.09644 15.99132 87
[1] "p_val"
[1] 0.06989805


Static Major curve Cobb angle tests
preop vs 6w p-value
1.403218e-52
6w vs 2y p-value
0.2911732

6w vs 5y p-value
0.3963831
2y vs 5y p-value
0.9945991

Coronal Balance (C7PL to CSVL)
[1] "stats"
        type      mean       sd   N
1: non-depuy -1.722344 32.37762 192
2:     depuy 22.333621 20.32074 232
[1] "p_val"
[1] 3.629108e-17


6W. Coronal Balance (C7PL to CSVL)
```

```
[1] "stats"
        type      mean       sd   N
1: non-depuy -3.219508 23.28550 183
2:     depuy 21.008520 17.20664 196
[1] "p_val"
[1] 7.581305e-26
```

```
6W. Coronal Balance (C7PL to CSVL)_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -1.285325 31.50908 169
2:     depuy -3.369375 23.98218 176
[1] "p_val"
[1] 0.491178
```

```
2Y. Coronal Balance (C7PL to CSVL)
[1] "stats"
        type       mean       sd   N
1: non-depuy  0.6414634 21.95140 164
2:     depuy 18.8520809 15.48205 173
[1] "p_val"
[1] 1.654488e-16
```

```
2Y. Coronal Balance (C7PL to CSVL)_gain
[1] "stats"
        type       mean       sd   N
1: non-depuy -0.2559864 34.38568 147
2:     depuy -5.7837500 23.36924 152
[1] "p_val"
[1] 0.1063605
```

```
5Y. Coronal Balance (C7PL to CSVL)
[1] "stats"
        type      mean       sd  N
1: non-depuy  2.565366 25.91411 82
2:     depuy 19.598471 16.26871 85
[1] "p_val"
[1] 1.30282e-06
```

```
5Y. Coronal Balance (C7PL to CSVL)_gain
[1] "stats"
        type      mean       sd  N
1: non-depuy  5.383692 36.59394 65
2:     depuy -2.544805 19.15689 77
[1] "p_val"
[1] 0.1188516
```

```
Coronal Balance (C7PL to CSVL) tests
```

```
preop vs 6w p-value
0.252907
6w vs 2y p-value
0.6837636

6w vs 5y p-value
0.3742707
2y vs 5y p-value
0.5579464

Sagittal Balance
[1] "stats"
        type     mean       sd   N
1: non-depuy 36.95420 61.37315 193
2:     depuy 49.05664 61.89167 250
[1] "p_val"
[1] 0.04095191


6W. Sagittal Balance
[1] "stats"
        type     mean       sd   N
1: non-depuy 17.10087 39.46367 183
2:     depuy 25.85922 41.20393 204
[1] "p_val"
[1] 0.0334157


6W. Sagittal Balance_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -17.96663 50.50322 172
2:     depuy -22.25015 52.83688 195
[1] "p_val"
[1] 0.4280389


2Y. Sagittal Balance
[1] "stats"
        type     mean       sd   N
1: non-depuy 20.73488 48.86653 166
2:     depuy 31.81892 48.21584 176
[1] "p_val"
[1] 0.0355891


2Y. Sagittal Balance_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -19.11372 46.59796 145
2:     depuy -21.26102 57.05028 167
[1] "p_val"
[1] 0.7147883
```

```
5Y. Sagittal Balance
[1] "stats"
        type     mean       sd  N
1: non-depuy 26.93519 52.55045 81
2:     depuy 34.69048 47.65116 84
[1] "p_val"
[1] 0.322718


5Y. Sagittal Balance_gain
[1] "stats"
        type       mean       sd  N
1: non-depuy   7.896364 51.17818 66
2:     depuy -16.408375 54.98800 80
[1] "p_val"
[1] 0.006521389


Sagittal Balance tests
preop vs 6w p-value
1.291629e-09
6w vs 2y p-value
0.1589919

6w vs 5y p-value
0.03878734
2y vs 5y p-value
0.3460191

Sagittal T2-T5
[1] "stats"
        type     mean        sd   N
1: non-depuy 11.11271  8.893395 210
2:     depuy 12.73878 10.346019 254
[1] "p_val"
[1] 0.06937376


6W. Sagittal T2-T5
[1] "stats"
        type     mean       sd   N
1: non-depuy 14.57833 8.739755 204
2:     depuy 14.31248 9.250246 214
[1] "p_val"
[1] 0.7627006


6W. Sagittal T2-T5_gain
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.718802  9.226323 192
2:     depuy 1.925167 10.870688 209
[1] "p_val"
```

```
[1] 0.07489301


2Y. Sagittal T2-T5
[1] "stats"
        type     mean       sd   N
1: non-depuy 16.47732 10.26974 183
2:     depuy 14.74180 10.16510 183
[1] "p_val"
[1] 0.1050762


2Y. Sagittal T2-T5_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 5.589825 11.39483 171
2:     depuy 1.834831 10.60075 178
[1] "p_val"
[1] 0.001584568


5Y. Sagittal T2-T5
[1] "stats"
        type     mean       sd  N
1: non-depuy 16.23517 11.31911 87
2:     depuy 15.02824 11.25594 85
[1] "p_val"
[1] 0.484176


5Y. Sagittal T2-T5_gain
[1] "stats"
        type     mean       sd  N
1: non-depuy 5.563293 11.40703 82
2:     depuy 4.680952 11.88509 84
[1] "p_val"
[1] 0.6261654


Sagittal T2-T5 tests
preop vs 6w p-value
0.0001184078
6w vs 2y p-value
0.09246131

6w vs 5y p-value
0.2163419
2y vs 5y p-value
0.9770439

Sagittal T5-T12
[1] "stats"
        type     mean       sd   N
1: non-depuy 34.28844 20.32198 218
```

```
2:     depuy 32.96492 18.11270 256
[1] "p_val"
[1] 0.4580809


6W. Sagittal T5-T12
[1] "stats"
        type     mean       sd   N
1: non-depuy 32.50063 14.42793 205
2:     depuy 35.69605 13.91589 215
[1] "p_val"
[1] 0.02146717


6W. Sagittal T5-T12_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -1.914293 17.08062 198
2:     depuy  2.095472 14.96915 212
[1] "p_val"
[1] 0.01210767


2Y. Sagittal T5-T12
[1] "stats"
        type     mean       sd   N
1: non-depuy 36.03283 15.24318 184
2:     depuy 38.54772 17.48335 184
[1] "p_val"
[1] 0.1422438


2Y. Sagittal T5-T12_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 2.320787 18.83511 178
2:     depuy 5.228287 18.46867 181
[1] "p_val"
[1] 0.1406842


5Y. Sagittal T5-T12
[1] "stats"
        type     mean       sd  N
1: non-depuy 38.96830 15.14650 88
2:     depuy 42.16682 16.39336 85
[1] "p_val"
[1] 0.1847484


5Y. Sagittal T5-T12_gain
[1] "stats"
        type     mean       sd  N
1: non-depuy 6.747765 18.78727 85
```

```
2:     depuy 6.738929 17.69353 84
[1] "p_val"
[1] 0.9974921


Sagittal T5-T12 tests
preop vs 6w p-value
0.6157915
6w vs 2y p-value
0.004359271

6w vs 5y p-value
5.94902e-06
2y vs 5y p-value
0.028313

Sagittal T2-T12
[1] "stats"
        type     mean       sd   N
1: non-depuy 39.42756 21.49512 217
2:     depuy 40.48218 18.77018 257
[1] "p_val"
[1] 0.5732438


6W. Sagittal T2-T12
[1] "stats"
        type     mean      sd   N
1: non-depuy 41.97034 16.4835 208
2:     depuy 45.33738 14.8070 214
[1] "p_val"
[1] 0.02797363


6W. Sagittal T2-T12_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 2.280644 16.48887 202
2:     depuy 5.021991 14.96054 211
[1] "p_val"
[1] 0.07797381


2Y. Sagittal T2-T12
[1] "stats"
        type     mean       sd   N
1: non-depuy 46.46292 17.17211 185
2:     depuy 48.00500 15.98860 184
[1] "p_val"
[1] 0.3725448


2Y. Sagittal T2-T12_gain
[1] "stats"
```

```
        type     mean       sd   N
1: non-depuy 7.883034 16.83296 178
2:     depuy 7.161648 16.11730 182
[1] "p_val"
[1] 0.6782674


5Y. Sagittal T2-T12
[1] "stats"
        type     mean       sd  N
1: non-depuy 47.84885 17.15319 87
2:     depuy 51.35529 16.49139 85
[1] "p_val"
[1] 0.1734963


5Y. Sagittal T2-T12_gain
[1] "stats"
        type     mean       sd  N
1: non-depuy 11.26036 16.44416 84
2:     depuy 10.80405 16.51544 84
[1] "p_val"
[1] 0.8578072


Sagittal T2-T12 tests
preop vs 6w p-value
0.002194747
6w vs 2y p-value
0.002146986

6w vs 5y p-value
0.0001000708
2y vs 5y p-value
0.1303354

Lordosis (top of L1-S1)
[1] "stats"
        type      mean       sd   N
1: non-depuy -45.67901 21.12223 223
2:     depuy -43.91152 20.46163 257
[1] "p_val"
[1] 0.3540327


6W. Lordosis (top of L1-S1)
[1] "stats"
        type      mean       sd   N
1: non-depuy -51.49413 13.60404 213
2:     depuy -51.20455 15.15762 244
[1] "p_val"
[1] 0.8296954
```

```
6W. Lordosis (top of L1-S1)_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -4.943381 18.92697 210
2:     depuy -7.252490 16.96974 241
[1] "p_val"
[1] 0.1758928


2Y. Lordosis (top of L1-S1)
[1] "stats"
        type      mean       sd   N
1: non-depuy -52.45380 13.68872 187
2:     depuy -51.05429 16.55966 198
[1] "p_val"
[1] 0.3656037


2Y. Lordosis (top of L1-S1)_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -6.884837 17.31070 184
2:     depuy -7.832308 15.93955 195
[1] "p_val"
[1] 0.5803405


5Y. Lordosis (top of L1-S1)
[1] "stats"
        type      mean       sd  N
1: non-depuy -49.97045 14.15760 88
2:     depuy -52.38910 15.73434 89
[1] "p_val"
[1] 0.2837401


5Y. Lordosis (top of L1-S1)_gain
[1] "stats"
        type      mean       sd  N
1: non-depuy -3.928605 16.52075 86
2:     depuy -8.047614 18.51249 88
[1] "p_val"
[1] 0.1231581


Lordosis (top of L1-S1) tests
preop vs 6w p-value
1.884805e-08
6w vs 2y p-value
0.7014898

6w vs 5y p-value
0.9073573
2y vs 5y p-value
```

```
0.6891494

Pelvic Incidence
[1] "stats"
        type     mean       sd   N
1: non-depuy 55.20398 14.51866 221
2:     depuy 55.62070 13.62823 257
[1] "p_val"
[1] 0.7477202


6W. Pelvic Incidence
[1] "stats"
        type     mean       sd   N
1: non-depuy 53.25469 13.83723 211
2:     depuy 54.99855 13.07877 242
[1] "p_val"
[1] 0.1706042


6W. Pelvic Incidence_gain
[1] "stats"
        type       mean       sd   N
1: non-depuy -1.5042233 7.625022 206
2:     depuy -0.4490041 5.940455 241
[1] "p_val"
[1] 0.1078483


2Y. Pelvic Incidence
[1] "stats"
        type     mean       sd   N
1: non-depuy 54.17952 13.12565 188
2:     depuy 54.91515 14.15550 194
[1] "p_val"
[1] 0.5985739


2Y. Pelvic Incidence_gain
[1] "stats"
        type       mean       sd   N
1: non-depuy -1.0195652 7.764661 184
2:     depuy -0.5632292 7.672340 192
[1] "p_val"
[1] 0.5669902


5Y. Pelvic Incidence
[1] "stats"
        type     mean       sd  N
1: non-depuy 53.69068 12.65629 88
2:     depuy 55.82067 12.55407 89
[1] "p_val"
[1] 0.2625543
```

```
5Y. Pelvic Incidence_gain
[1] "stats"
        type        mean       sd  N
1: non-depuy -0.06906977 6.084128 86
2:     depuy -0.53781609 7.465761 87
[1] "p_val"
[1] 0.6511984


Pelvic Incidence tests
preop vs 6w p-value
0.1683717
6w vs 2y p-value
0.6969861

6w vs 5y p-value
0.6139017
2y vs 5y p-value
0.8594938

Pelvic Tilt
[1] "stats"
        type     mean       sd   N
1: non-depuy 21.92412 12.73628 221
2:     depuy 22.75004 10.30519 252
[1] "p_val"
[1] 0.4426958


6W. Pelvic Tilt
[1] "stats"
        type     mean       sd   N
1: non-depuy 17.53148 9.679858 209
2:     depuy 19.34814 9.409235 242
[1] "p_val"
[1] 0.04469367


6W. Pelvic Tilt_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -4.018873 8.927130 204
2:     depuy -2.809873 8.593911 236
[1] "p_val"
[1] 0.1502307


2Y. Pelvic Tilt
[1] "stats"
        type     mean        sd   N
1: non-depuy 19.08676 10.025716 188
2:     depuy 20.53083  9.429965 193
```

```
[1] "p_val"
[1] 0.1486163


2Y. Pelvic Tilt_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -2.588315 8.089623 184
2:     depuy -2.073810 7.581528 189
[1] "p_val"
[1] 0.5268565


5Y. Pelvic Tilt
[1] "stats"
        type     mean        sd  N
1: non-depuy 20.52398 10.003948 88
2:     depuy 22.54236  9.603285 89
[1] "p_val"
[1] 0.1727364


5Y. Pelvic Tilt_gain
[1] "stats"
        type      mean       sd  N
1: non-depuy -0.785000 7.439696 86
2:     depuy -1.351647 8.612694 85
[1] "p_val"
[1] 0.645997


Pelvic Tilt tests
preop vs 6w p-value
3.682162e-08
6w vs 2y p-value
0.05137769

6w vs 5y p-value
0.0005237892
2y vs 5y p-value
0.05445934

Sacral Slope
[1] "stats"
        type     mean       sd   N
1: non-depuy 33.26643 11.98823 221
2:     depuy 33.33685 10.83705 257
[1] "p_val"
[1] 0.9466716


6W. Sacral Slope
[1] "stats"
        type     mean       sd   N
```

```
1: non-depuy 35.82830 10.84162 212
2:     depuy 35.51189 10.26095 243
[1] "p_val"
[1] 0.7503563


6W. Sacral Slope_gain
[1] "stats"
        type     mean      sd   N
1: non-depuy 2.468164 9.52479 207
2:     depuy 2.207510 8.16113 241
[1] "p_val"
[1] 0.7579849


2Y. Sacral Slope
[1] "stats"
        type     mean       sd   N
1: non-depuy 35.10367 10.63414 188
2:     depuy 34.46995 11.74755 194
[1] "p_val"
[1] 0.580537


2Y. Sacral Slope_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 1.596033 8.435618 184
2:     depuy 1.530000 7.411873 192
[1] "p_val"
[1] 0.935884


5Y. Sacral Slope
[1] "stats"
        type     mean       sd  N
1: non-depuy 33.16614 10.13103 88
2:     depuy 33.27876 10.51547 89
[1] "p_val"
[1] 0.9422323


5Y. Sacral Slope_gain
[1] "stats"
        type     mean       sd  N
1: non-depuy 0.692093 8.392864 86
2:     depuy 0.737931 8.689555 87
[1] "p_val"
[1] 0.9718885


Sacral Slope tests
preop vs 6w p-value
0.00105845
```

```
6w vs 2y p-value
0.2463188

6w vs 5y p-value
0.008328968
2y vs 5y p-value
0.1063461

RLL
[1] "stats"
        type      mean       sd   N
1: non-depuy -17.56814 22.22158 221
2:     depuy -19.59184 19.76760 255
[1] "p_val"
[1] 0.2976521


6W. RLL
[1] "stats"
        type      mean       sd   N
1: non-depuy -10.38190 12.76805 211
2:     depuy -11.87792 13.80319 240
[1] "p_val"
[1] 0.2326054


6W. RLL_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 6.121893 19.24321 206
2:     depuy 7.648650 17.14234 237
[1] "p_val"
[1] 0.381529


2Y. RLL
[1] "stats"
        type      mean       sd   N
1: non-depuy -10.07840 12.78818 187
2:     depuy -11.92485 14.83654 194
[1] "p_val"
[1] 0.1934955


2Y. RLL_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 7.639563 17.40425 183
2:     depuy 8.256927 16.65247 192
[1] "p_val"
[1] 0.7260387


5Y. RLL
```

```
[1] "stats"
        type       mean        sd  N
1: non-depuy  -7.510909  7.898162 88
2:     depuy -11.219888 13.799928 89
[1] "p_val"
[1] 0.02962131


5Y. RLL_gain
[1] "stats"
        type     mean       sd  N
1: non-depuy 8.845349 15.60491 86
2:     depuy 8.467471 17.95108 87
[1] "p_val"
[1] 0.8826673


RLL tests
preop vs 6w p-value
1.269272e-10
6w vs 2y p-value
0.8665957

6w vs 5y p-value
0.0902822
2y vs 5y p-value
0.1405227

Global Tilt
[1] "stats"
        type     mean       sd   N
1: non-depuy 26.17470 19.61141 217
2:     depuy 27.58839 16.54390 249
[1] "p_val"
[1] 0.404611


6W. Global Tilt
[1] "stats"
        type     mean       sd   N
1: non-depuy 17.95614 12.53273 207
2:     depuy 21.00552 12.02162 212
[1] "p_val"
[1] 0.0114254


6W. Global Tilt_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -7.270200 14.54981 200
2:     depuy -6.788585 13.45752 205
[1] "p_val"
[1] 0.7298197
```

```
2Y. Global Tilt
[1] "stats"
        type     mean       sd   N
1: non-depuy 20.18433 14.38851 187
2:     depuy 23.11808 13.31595 177
[1] "p_val"
[1] 0.04409816


2Y. Global Tilt_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -5.438453 12.28534 181
2:     depuy -5.352959 12.39603 169
[1] "p_val"
[1] 0.9484061


5Y. Global Tilt
[1] "stats"
        type     mean       sd  N
1: non-depuy 22.89875 15.65577 88
2:     depuy 25.35551 14.14173 89
[1] "p_val"
[1] 0.2749705


5Y. Global Tilt_gain
[1] "stats"
        type       mean       sd  N
1: non-depuy -0.2344706 11.94707 85
2:     depuy -3.9732941 13.12322 85
[1] "p_val"
[1] 0.05378431


Global Tilt tests
preop vs 6w p-value
1.259254e-12
6w vs 2y p-value
0.02613935

6w vs 5y p-value
0.0003254208
2y vs 5y p-value
0.06030254

T1 Sagittal Tilt
[1] "stats"
        type      mean       sd   N
1: non-depuy -1.949740 6.401253 216
2:     depuy -1.332452 6.048663 236
[1] "p_val"
```

```
[1] 0.2936738
```

```
6W. T1 Sagittal Tilt
[1] "stats"
        type      mean       sd   N
1: non-depuy -3.622453 4.019764 201
2:     depuy -3.024548 4.095851 204
[1] "p_val"
[1] 0.13895
```

```
6W. T1 Sagittal Tilt_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -1.614733 5.897189 192
2:     depuy -2.009877 5.768438 186
[1] "p_val"
[1] 0.510589
```

```
2Y. T1 Sagittal Tilt
[1] "stats"
        type      mean       sd   N
1: non-depuy -3.980710 4.407818 184
2:     depuy -2.884757 4.619021 172
[1] "p_val"
[1] 0.02279087
```

```
2Y. T1 Sagittal Tilt_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -2.063395 5.681320 176
2:     depuy -1.696349 6.538876 156
[1] "p_val"
[1] 0.5877477
```

```
5Y. T1 Sagittal Tilt
[1] "stats"
        type      mean       sd  N
1: non-depuy -3.009348 5.355885 88
2:     depuy -2.864197 4.360016 89
[1] "p_val"
[1] 0.8435946
```

```
5Y. T1 Sagittal Tilt_gain
[1] "stats"
        type       mean       sd  N
1: non-depuy  0.3420697 5.836251 84
2:     depuy -1.6726801 6.050828 82
[1] "p_val"
```

```
[1] 0.03048141


T1 Sagittal Tilt tests
preop vs 6w p-value
2.255719e-06
6w vs 2y p-value
0.6792338

6w vs 5y p-value
0.357757
2y vs 5y p-value
0.2404744

Thoracolumbar L2-T10
[1] "stats"
        type     mean       sd   N
1: non-depuy 8.621674 22.47005 221
2:     depuy 9.153439 20.61571 253
[1] "p_val"
[1] 0.7895376


6W. Thoracolumbar L2-T10
[1] "stats"
        type     mean       sd   N
1: non-depuy 2.447707 12.91042 205
2:     depuy 5.079585 11.01987 217
[1] "p_val"
[1] 0.02522341


6W. Thoracolumbar L2-T10_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -6.286269 21.75903 201
2:     depuy -4.931043 18.57426 211
[1] "p_val"
[1] 0.4979094


2Y. Thoracolumbar L2-T10
[1] "stats"
        type     mean       sd   N
1: non-depuy 3.949516 13.37927 186
2:     depuy 8.233279 12.98529 183
[1] "p_val"
[1] 0.001944552


2Y. Thoracolumbar L2-T10_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -4.697541 20.72549 183
```

```
2:     depuy -2.366089 18.73237 179
[1] "p_val"
[1] 0.2620486


5Y. Thoracolumbar L2-T10
[1] "stats"
        type     mean       sd  N
1: non-depuy 4.856364 13.28042 88
2:     depuy 8.358837 13.76406 86
[1] "p_val"
[1] 0.08952309


5Y. Thoracolumbar L2-T10_gain
[1] "stats"
        type      mean       sd  N
1: non-depuy -8.938372 20.66958 86
2:     depuy -4.351529 19.32733 85
[1] "p_val"
[1] 0.1357296


Thoracolumbar L2-T10 tests
preop vs 6w p-value
9.924242e-06
6w vs 2y p-value
0.01257335

6w vs 5y p-value
0.01942851
2y vs 5y p-value
0.6797673

RSA
[1] "stats"
        type     mean       sd   N
1: non-depuy 14.59972 16.66320 217
2:     depuy 15.84237 14.19187 249
[1] "p_val"
[1] 0.3903373


6W. RSA
[1] "stats"
        type     mean       sd   N
1: non-depuy 7.380193 9.868614 207
2:     depuy 9.470991 9.727611 212
[1] "p_val"
[1] 0.02955139


6W. RSA_gain
[1] "stats"
```

```
        type      mean       sd   N
1: non-depuy -6.530850 13.85988 200
2:     depuy -6.511902 12.73589 205
[1] "p_val"
[1] 0.988585


2Y. RSA
[1] "stats"
        type      mean       sd   N
1: non-depuy  9.167647 11.80002 187
2:     depuy 11.581243 11.70767 177
[1] "p_val"
[1] 0.05096121


2Y. RSA_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -4.943204 11.67790 181
2:     depuy -5.082367 11.37364 169
[1] "p_val"
[1] 0.9101616


5Y. RSA
[1] "stats"
        type      mean       sd  N
1: non-depuy -12.31830 14.04990 88
2:     depuy  13.56146 12.26083 89
[1] "p_val"
[1] 1.79952e-27


5Y. RSA_gain
[1] "stats"
        type       mean       sd  N
1: non-depuy -25.858824 23.03951 85
2:     depuy  -3.746941 12.45198 85
[1] "p_val"
[1] 1.981177e-12


RSA tests
preop vs 6w p-value
6.90951e-15
6w vs 2y p-value
0.01537264

6w vs 5y p-value
3.24611e-07
2y vs 5y p-value
1.035372e-09
```

```
RPV
[1] "stats"
        type      mean        sd   N
1: non-depuy -8.303982 10.178047 221
2:     depuy -8.551211  8.454638 256
[1] "p_val"
[1] 0.775121


6W. RPV
[1] "stats"
        type      mean       sd   N
1: non-depuy -4.550047 7.635866 211
2:     depuy -5.947521 7.411339 242
[1] "p_val"
[1] 0.04948777


6W. RPV_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 3.382330 8.359279 206
2:     depuy 2.464625 7.898114 240
[1] "p_val"
[1] 0.2364371


2Y. RPV
[1] "stats"
        type      mean       sd   N
1: non-depuy -5.862447 8.012014 188
2:     depuy -6.930258 7.892888 194
[1] "p_val"
[1] 0.1903705


2Y. RPV_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 2.197283 7.285665 184
2:     depuy 1.885759 6.552604 191
[1] "p_val"
[1] 0.6639474


5Y. RPV
[1] "stats"
        type      mean       sd  N
1: non-depuy 62.288750 7.846918 88
2:     depuy -8.655618 7.850771 89
[1] "p_val"
[1] 8.570589e-119
```

```
5Y. RPV_gain
[1] "stats"
        type      mean        sd  N
1: non-depuy 70.595814 12.052437 86
2:     depuy  1.054713  7.776433 87
[1] "p_val"
[1] 3.672502e-87


RPV tests
preop vs 6w p-value
1.871233e-08
6w vs 2y p-value
0.04040581

6w vs 5y p-value
1.57376e-23
2y vs 5y p-value
1.143171e-24
```

Quality of Life

```
ODI - Score (%)_First Visit
[1] "stats"
        type     mean       sd   N
1: non-depuy 35.89401 20.49306 217
2:     depuy 40.46341 19.57082 246
[1] "p_val"
[1] 0.01486391


6M. ODI - Score (%)
[1] "stats"
        type     mean       sd   N
1: non-depuy 25.83333 16.69289 192
2:     depuy 30.02500 17.82573 240
[1] "p_val"
[1] 0.01223778


6M. ODI - Score (%)_gain
[1] "stats"
        type       mean       sd   N
1: non-depuy  -9.869565 18.72681 184
2:     depuy -10.982456 16.95679 228
[1] "p_val"
[1] 0.5321214


2Y. ODI - Score (%)
[1] "stats"
        type     mean       sd   N
1: non-depuy 24.68780 20.24337 205
```

```
2:     depuy 29.39024 21.06477 246
[1] "p_val"
[1] 0.01629897


2Y. ODI - Score (%)_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -11.21827 17.66895 197
2:     depuy -10.79828 16.97406 233
[1] "p_val"
[1] 0.8026787


5Y. ODI - Score (%)
[1] "stats"
        type     mean       sd   N
1: non-depuy 27.94958 23.35353 119
2:     depuy 28.55056 20.51567 178
[1] "p_val"
[1] 0.8198455


5Y. ODI - Score (%)_gain
[1] "stats"
        type       mean       sd   N
1: non-depuy  -9.008696 18.95215 115
2:     depuy -11.059880 17.37423 167
[1] "p_val"
[1] 0.356595


ODI - Score (%)_First Visit tests
preop vs 6m p-value
1.97693e-15
6m vs 2y p-value
0.4810167

6m vs 5y p-value
0.9221599
2y vs 5y p-value
0.5073999

SRS22 - Function / Activity_First Visit
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.173194 0.9020547 216
2:     depuy 2.989073 0.8069337 248
[1] "p_val"
[1] 0.02175911


6M. SRS22 - Function / Activity
[1] "stats"
```

```
        type     mean        sd   N
1: non-depuy 3.368718 0.7841693 195
2:     depuy 3.178347 0.7885638 242
[1] "p_val"
[1] 0.01222925


6M. SRS22 - Function / Activity_gain
[1] "stats"
        type      mean        sd   N
1: non-depuy 0.1899468 0.7683669 188
2:     depuy 0.1995671 0.7791075 231
[1] "p_val"
[1] 0.8992654


2Y. SRS22 - Function / Activity
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.648049 0.9287331 205
2:     depuy 3.396382 0.9253881 246
[1] "p_val"
[1] 0.004303619


2Y. SRS22 - Function / Activity_gain
[1] "stats"
        type      mean        sd   N
1: non-depuy 0.4685714 0.7633200 196
2:     depuy 0.3933613 0.7218837 238
[1] "p_val"
[1] 0.2958243


5Y. SRS22 - Function / Activity
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.582479 1.0011379 121
2:     depuy 3.457303 0.8734091 178
[1] "p_val"
[1] 0.2653395


5Y. SRS22 - Function / Activity_gain
[1] "stats"
        type      mean        sd   N
1: non-depuy 0.4450427 0.8676232 117
2:     depuy 0.4300000 0.7148625 170
[1] "p_val"
[1] 0.877103


SRS22 - Function / Activity_First Visit tests
preop vs 6m p-value
```

```
0.0006230904
6m vs 2y p-value
2.229287e-05

6m vs 5y p-value
0.0002136056
2y vs 5y p-value
0.9676347

SRS22 - Pain_First Visit
[1] "stats"
        type     mean        sd   N
1: non-depuy 2.766389 0.9804953 216
2:     depuy 2.500484 0.9443429 248
[1] "p_val"
[1] 0.003195792


6M. SRS22 - Pain
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.567179 0.8188499 195
2:     depuy 3.351446 0.9539992 242
[1] "p_val"
[1] 0.01135149


6M. SRS22 - Pain_gain
[1] "stats"
        type      mean        sd   N
1: non-depuy 0.8072340 0.9682720 188
2:     depuy 0.8693939 0.9626357 231
[1] "p_val"
[1] 0.5126672


2Y. SRS22 - Pain
[1] "stats"
        type     mean       sd   N
1: non-depuy 3.600878 1.064697 205
2:     depuy 3.410976 1.095548 246
[1] "p_val"
[1] 0.0633601


2Y. SRS22 - Pain_gain
[1] "stats"
        type     mean        sd   N
1: non-depuy 0.849949 0.9543281 196
2:     depuy 0.902563 0.9779556 238
[1] "p_val"
[1] 0.5722288
```

```
5Y. SRS22 - Pain
[1] "stats"
        type     mean       sd   N
1: non-depuy 3.459752 1.152435 121
2:     depuy 3.352528 1.118858 178
[1] "p_val"
[1] 0.4250394


5Y. SRS22 - Pain_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy 0.8225641 1.007488 117
2:     depuy 0.7977059 1.043596 170
[1] "p_val"
[1] 0.839754


SRS22 - Pain_First Visit tests
preop vs 6m p-value
1.537316e-36
6m vs 2y p-value
0.4584437

6m vs 5y p-value
0.5090881
2y vs 5y p-value
0.2225362

SRS22 - Self image / Appearance_First Visit
[1] "stats"
        type     mean        sd   N
1: non-depuy 2.356898 0.7373807 216
2:     depuy 2.411008 0.7305919 248
[1] "p_val"
[1] 0.428867


6M. SRS22 - Self image / Appearance
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.601282 0.7583799 195
2:     depuy 3.436322 0.8471922 242
[1] "p_val"
[1] 0.03252696


6M. SRS22 - Self image / Appearance_gain
[1] "stats"
        type     mean        sd   N
1: non-depuy 1.242872 0.9224220 188
2:     depuy 1.053723 0.9320524 231
[1] "p_val"
[1] 0.03835653
```

```
2Y. SRS22 - Self image / Appearance
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.622049 0.9025909 205
2:     depuy 3.343496 0.9283068 246
[1] "p_val"
[1] 0.001370755


2Y. SRS22 - Self image / Appearance_gain
[1] "stats"
        type      mean        sd   N
1: non-depuy 1.2954082 0.9348458 196
2:     depuy 0.9318067 0.9554642 238
[1] "p_val"
[1] 7.723548e-05


5Y. SRS22 - Self image / Appearance
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.480579 0.9786337 121
2:     depuy 3.315449 0.9462833 178
[1] "p_val"
[1] 0.1479368


5Y. SRS22 - Self image / Appearance_gain
[1] "stats"
        type      mean        sd   N
1: non-depuy 1.1352991 0.9264137 117
2:     depuy 0.9186471 0.9169792 170
[1] "p_val"
[1] 0.05171309


SRS22 - Self image / Appearance_First Visit tests
preop vs 6m p-value
2.775625e-84
6m vs 2y p-value
0.4955252

6m vs 5y p-value
0.06030789
2y vs 5y p-value
0.2142941

SRS22 - Mental health_First Visit
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.088194 0.8663003 216
2:     depuy 3.145081 0.8475528 248
```

```
[1] "p_val"
[1] 0.4764035


6M. SRS22 - Mental health
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.538974 0.7871513 195
2:     depuy 3.500868 0.8786191 242
[1] "p_val"
[1] 0.633214


6M. SRS22 - Mental health_gain
[1] "stats"
        type      mean        sd   N
1: non-depuy 0.4247340 0.8014275 188
2:     depuy 0.3654978 0.8244232 231
[1] "p_val"
[1] 0.458003


2Y. SRS22 - Mental health
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.533024 0.8490633 205
2:     depuy 3.497764 1.0041674 246
[1] "p_val"
[1] 0.6863707


2Y. SRS22 - Mental health_gain
[1] "stats"
        type      mean        sd   N
1: non-depuy 0.4506122 0.8498064 196
2:     depuy 0.3507143 0.8113509 238
[1] "p_val"
[1] 0.2142758


5Y. SRS22 - Mental health
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.574793 0.9356398 121
2:     depuy 3.460955 0.9133694 178
[1] "p_val"
[1] 0.2981234


5Y. SRS22 - Mental health_gain
[1] "stats"
        type      mean        sd   N
1: non-depuy 0.4572650 0.8032065 117
2:     depuy 0.2505882 0.8239210 170
```

```
[1] "p_val"
[1] 0.03500724


SRS22 - Mental health_First Visit tests
preop vs 6m p-value
3.055862e-12
6m vs 2y p-value
0.9454234

6m vs 5y p-value
0.8709381
2y vs 5y p-value
0.9221221

SRS22 - SRS Subtotal score_First Visit
[1] "stats"
        type     mean        sd   N
1: non-depuy 2.850139 0.7138565 216
2:     depuy 2.766613 0.6706537 248
[1] "p_val"
[1] 0.1966754


6M. SRS22 - SRS Subtotal score
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.519385 0.6184014 195
2:     depuy 3.368264 0.7197875 242
[1] "p_val"
[1] 0.01874133


6M. SRS22 - SRS Subtotal score_gain
[1] "stats"
        type      mean        sd   N
1: non-depuy 0.6621809 0.6446514 188
2:     depuy 0.6181818 0.6399098 231
[1] "p_val"
[1] 0.4861126


2Y. SRS22 - SRS Subtotal score
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.602000 0.7933729 205
2:     depuy 3.411504 0.8714823 246
[1] "p_val"
[1] 0.01559511


2Y. SRS22 - SRS Subtotal score_gain
[1] "stats"
        type      mean        sd   N
```

```
1: non-depuy 0.7638265 0.6721448 196
2:     depuy 0.6392017 0.6730996 238
[1] "p_val"
[1] 0.05540998


5Y. SRS22 - SRS Subtotal score
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.523058 0.8845581 121
2:     depuy 3.378380 0.8831456 179
[1] "p_val"
[1] 0.1655361


5Y. SRS22 - SRS Subtotal score_gain
[1] "stats"
        type      mean        sd   N
1: non-depuy 0.7085470 0.6941980 117
2:     depuy 0.5718129 0.7377722 171
[1] "p_val"
[1] 0.1107877


SRS22 - SRS Subtotal score_First Visit tests
preop vs 6m p-value
2.238438e-39
6m vs 2y p-value
0.2238158

6m vs 5y p-value
0.9863684
2y vs 5y p-value
0.3430075

SRS22 - Satisfaction with management_First Visit
[1] "stats"
        type     mean       sd   N
1: non-depuy 2.909091 1.030199  44
2:     depuy 3.161585 1.078137 164
[1] "p_val"
[1] 0.1573486


6M. SRS22 - Satisfaction with management
[1] "stats"
        type     mean        sd   N
1: non-depuy 4.296296 0.7628593 189
2:     depuy 4.225738 0.8905649 237
[1] "p_val"
[1] 0.3792426


6M. SRS22 - Satisfaction with management_gain
```

```
[1] "stats"
        type     mean       sd   N
1: non-depuy 1.320513 1.248616  39
2:     depuy 1.113333 1.338820 150
[1] "p_val"
[1] 0.3667283


2Y. SRS22 - Satisfaction with management
[1] "stats"
        type    mean        sd   N
1: non-depuy 4.31250 0.8349127 200
2:     depuy 4.07438 1.0538630 242
[1] "p_val"
[1] 0.008341939


2Y. SRS22 - Satisfaction with management_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy 1.1410256 1.266723  39
2:     depuy 0.8798701 1.348026 154
[1] "p_val"
[1] 0.2607696


5Y. SRS22 - Satisfaction with management
[1] "stats"
        type     mean        sd   N
1: non-depuy 4.070833 0.9815436 120
2:     depuy 3.946328 1.0383009 177
[1] "p_val"
[1] 0.295682


5Y. SRS22 - Satisfaction with management_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy 1.1034483 1.256265  29
2:     depuy 0.7777778 1.225381 108
[1] "p_val"
[1] 0.2194774


SRS22 - Satisfaction with management_First Visit tests
preop vs 6m p-value
9.057928e-34
6m vs 2y p-value
0.2220012

6m vs 5y p-value
0.0002972714
2y vs 5y p-value
0.01338316
```

```
SF36 - PCS_First Visit
[1] "stats"
        type     mean       sd   N
1: non-depuy 37.91383 8.812595 206
2:     depuy 34.96494 9.329975 247
[1] "p_val"
[1] 0.0006080046


6M. SF36 - PCS
[1] "stats"
        type     mean       sd   N
1: non-depuy 41.54760 8.202602 183
2:     depuy 39.63639 9.127802 241
[1] "p_val"
[1] 0.02416974


6M. SF36 - PCS_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 3.920294 9.224947 170
2:     depuy 4.737652 8.809461 230
[1] "p_val"
[1] 0.3725316


2Y. SF36 - PCS
[1] "stats"
        type     mean       sd   N
1: non-depuy 42.91207 10.21067 198
2:     depuy 41.34494 10.37093 244
[1] "p_val"
[1] 0.1118262


2Y. SF36 - PCS_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 5.015738 9.430611 183
2:     depuy 6.236845 9.559666 233
[1] "p_val"
[1] 0.1933267


5Y. SF36 - PCS
[1] "stats"
        type     mean       sd   N
1: non-depuy 42.84547 11.13025 117
2:     depuy 41.09875 11.22210 176
[1] "p_val"
[1] 0.1909597
```

```
5Y. SF36 - PCS_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 5.305648 10.40742 108
2:     depuy 5.864337 10.13835 166
[1] "p_val"
[1] 0.6613278


SF36 - PCS_First Visit tests
preop vs 6m p-value
1.480501e-11
6m vs 2y p-value
0.01493572

6m vs 5y p-value
0.08797887
2y vs 5y p-value
0.7592978

SF36 - MCS_First Visit
[1] "stats"
        type     mean       sd   N
1: non-depuy 41.27311 11.60587 206
2:     depuy 43.60664 12.08924 247
[1] "p_val"
[1] 0.03710838


6M. SF36 - MCS
[1] "stats"
        type     mean       sd   N
1: non-depuy 45.60858 11.24779 183
2:     depuy 47.42515 12.48295 241
[1] "p_val"
[1] 0.1170693


6M. SF36 - MCS_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 4.407353 11.81858 170
2:     depuy 3.608043 11.40459 230
[1] "p_val"
[1] 0.4977905


2Y. SF36 - MCS
[1] "stats"
        type     mean       sd   N
1: non-depuy 46.63308 11.12454 198
2:     depuy 47.17889 12.97837 244
[1] "p_val"
```

```
[1] 0.6343806


2Y. SF36 - MCS_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 5.573224 12.07978 183
2:     depuy 3.199306 11.40722 233
[1] "p_val"
[1] 0.0421692


5Y. SF36 - MCS
[1] "stats"
        type     mean       sd   N
1: non-depuy 47.14385 12.27181 117
2:     depuy 47.18932 11.31031 177
[1] "p_val"
[1] 0.9744379


5Y. SF36 - MCS_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 5.123241 13.33861 108
2:     depuy 2.967665 11.23876 167
[1] "p_val"
[1] 0.1659679


SF36 - MCS_First Visit tests
preop vs 6m p-value
4.829761e-07
6m vs 2y p-value
0.7210139

6m vs 5y p-value
0.5543343
2y vs 5y p-value
0.7911747
```

Surgery

```
Total Operative Blood Loss st1+st2+st3
[1] "stats"
        type     mean      sd   N
1: non-depuy 1359.333 1027.07 171
2:     depuy 1528.104 1267.89 260
[1] "p_val"
[1] 0.1296417


Total surgical time
```

```
[1] "stats"
        type     mean       sd   N
1: non-depuy 297.3750 188.5819 224
2:     depuy 340.7375 159.4847 259
[1] "p_val"
[1] 0.007095454


Number of Posterior Instrumented Levels
[1] "stats"
        type      mean       sd   N
1: non-depuy 11.182222 3.706611 225
2:     depuy  8.334615 3.787751 260
[1] "p_val"
[1] 7.388638e-16


Pelvic fixation
[1] "table_depuy"

 No Yes
154 106
[1] "proportion_depuy"

       No       Yes
0.5923077 0.4076923
[1] "table_nondepuy"

Yes
226
[1] "proportion_nondepuy"

Yes
  1
[1] "p_val_Yes"
[1] 6.279596e-44
[1] "p_val_No"
[1] 6.279596e-44


Surgical Approach
[1] "table_depuy"

Anterior-Posterior          Posterior Posterior-Anterior
                 5                250                   5
[1] "proportion_depuy"

Anterior-Posterior          Posterior Posterior-Anterior
        0.01923077         0.96153846         0.01923077
[1] "table_nondepuy"
< table of extent 0 >
[1] "proportion_nondepuy"
numeric(0)
```

```
Number of Interbody Fusions
[1] "stats"
        type     mean        sd   N
1: non-depuy 1.605263 0.8653161  76
2:     depuy 1.084615 1.3124566 260
[1] "p_val"
[1] 7.344185e-05


Decompression
[1] "table_depuy"

 No Yes
173  87
[1] "proportion_depuy"

       No       Yes
0.6653846 0.3346154
[1] "table_nondepuy"

 No Yes
191  35
[1] "proportion_nondepuy"

       No       Yes
0.8451327 0.1548673
[1] "p_val_No"
[1] 8.455121e-06
[1] "p_val_Yes"
[1] 8.455121e-06


Interbody Fusion
[1] "table_depuy"

 No Yes
121 139
[1] "proportion_depuy"

       No       Yes
0.4653846 0.5346154
[1] "table_nondepuy"

 No Yes
150  76
[1] "proportion_nondepuy"

       No       Yes
0.6637168 0.3362832
[1] "p_val_No"
[1] 1.713436e-05
[1] "p_val_Yes"
[1] 1.713436e-05
```

```
Osteotomy
[1] "table_depuy"

 No Yes
121 139
[1] "proportion_depuy"

       No       Yes
0.4653846 0.5346154
[1] "table_nondepuy"

 No Yes
123 103
[1] "proportion_nondepuy"

       No       Yes
0.5442478 0.4557522
[1] "p_val_No"
[1] 0.1003043
[1] "p_val_Yes"
[1] 0.1003043


3CO
[1] "table_depuy"

FALSE  TRUE
  219    41
[1] "proportion_depuy"

    FALSE      TRUE
0.8423077 0.1576923
[1] "table_nondepuy"

FALSE  TRUE
  128    97
[1] "proportion_nondepuy"

    FALSE      TRUE
0.5688889 0.4311111
[1] "p_val_FALSE"
[1] 3.751119e-11
[1] "p_val_TRUE"
[1] 7.027708e-11
[1] "p_val_NA"
[1] NaN


uiv_t10_12_l1
[1] "table_depuy"

 No Yes
```

```
233  27
[1] "proportion_depuy"

       No       Yes
0.8961538 0.1038462
[1] "table_nondepuy"

 No Yes
217   9
[1] "proportion_nondepuy"

        No        Yes
0.96017699 0.03982301
[1] "p_val_No"
[1] 0.0119226
[1] "p_val_Yes"
[1] 0.0119226
```