5y quality life analysis

```
xls_path <- '../../data/ESSG extraction June 2022_1st report 5Y - ONLY DPS.xlsx'
```

Filters

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

data_set %<>%
  .[, 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`) ]
```

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

Total Patients for the analysis: 575

```
## PhantomJS not found. You can install it with webshot::install_phantomjs(). If it is installed, pleas
```

```
demographic:
- Age
- Gender
- Prior Spine Surgery
- ASA classification
- BMI_First Visit
- Site
radiologic:
- Global Tilt
- Static Major curve Cobb angle
qualitylife:
- 2Y. ODI - Score (%)
- 2Y. SRS22 - SRS Subtotal score
- 2Y. SF36 - MCS
- 2Y. SF36 - PCS
```
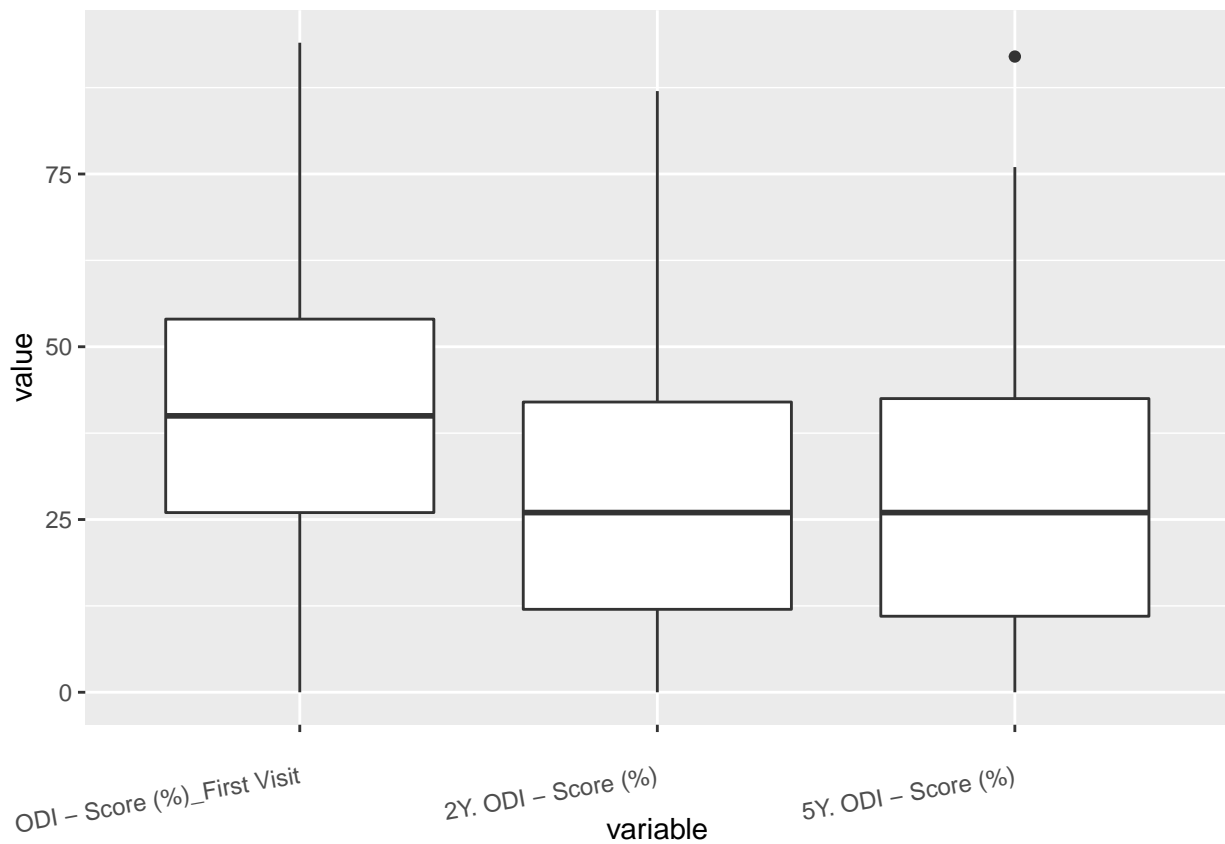
Scores

Basic stats

```
   type ODI - Score (%)_First Visit 2Y. ODI - Score (%) 5Y. ODI - Score (%)
1: Mean                   40.15971             28.57210             28.38356
2:   Sd                   19.91664             19.88459             20.34268
```

t-test mean comparison p-values

```
        type      V2
1: base vs 5 0.00000
2:    2 vs 5 0.91073
3: base vs 2 0.00000
```

5 Years Gain Gain (odi neg / others pos) Factors

```
                       Estimate Std. Error t value Pr(>|t|)
(Intercept)              -8.519      7.607  -1.120    0.264
Age                      -0.181      0.082  -2.212    0.028
GenderMale               -1.957      3.139  -0.623    0.534
'Prior Spine Surgery'Yes  1.124      2.675   0.420    0.675
'ASA classification'     -2.121      2.419  -0.876    0.382
'BMI_First Visit'         0.366      0.312   1.176    0.241
```

```
SiteBOR Op                                    6.296      3.480    1.810     0.072
SiteIST Op                                  -13.304     12.219   -1.089     0.278
SiteMAD Op                                    2.330      3.822    0.610     0.543
SiteZUR Op                                    0.934      3.350    0.279     0.781
```

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	-6.218	9.467	-0.657	0.512
Age	-0.235	0.095	-2.484	0.014
GenderMale	-2.879	3.314	-0.869	0.386
'Prior Spine Surgery'Yes	0.786	2.834	0.277	0.782
'ASA classification'	-2.070	2.474	-0.837	0.404
'BMI_First Visit'	0.292	0.320	0.912	0.363
SiteBOR Op	7.259	3.617	2.007	0.046
SiteIST Op	-12.820	12.308	-1.042	0.299
SiteMAD Op	3.495	4.000	0.874	0.383
SiteZUR Op	4.076	3.608	1.130	0.260
'Global Tilt'	0.067	0.092	0.722	0.471
'Static Major curve Cobb angle'	-0.008	0.066	-0.114	0.909

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	-3.573	15.906	-0.225	0.823
Age	-0.065	0.096	-0.681	0.497
GenderMale	-4.073	3.116	-1.307	0.193
'Prior Spine Surgery'Yes	0.768	2.631	0.292	0.771
'ASA classification'	0.684	2.408	0.284	0.777
'BMI_First Visit'	0.627	0.312	2.011	0.046
SiteBOR Op	5.664	3.435	1.649	0.101
SiteIST Op	24.495	16.059	1.525	0.129
SiteMAD Op	3.518	3.853	0.913	0.363
SiteZUR Op	0.393	3.599	0.109	0.913
'Global Tilt'	0.082	0.086	0.948	0.344
'Static Major curve Cobb angle'	-0.035	0.062	-0.566	0.572
'ODI – Score (%)_First Visit'	-0.463	0.123	-3.755	0.000
'SRS22 – SRS Subtotal score_First Visit'	-2.636	3.901	-0.676	0.500
'SF36 – MCS_First Visit'	-0.006	0.149	-0.043	0.965
'SF36 – PCS_First Visit'	0.083	0.212	0.389	0.697

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	-9.465	17.018	-0.556	0.579
Age	-0.155	0.108	-1.430	0.155
GenderMale	-5.297	3.566	-1.486	0.140
'Prior Spine Surgery'Yes	-2.526	3.109	-0.813	0.418
'ASA classification'	0.516	2.596	0.199	0.843
'BMI_First Visit'	1.107	0.347	3.187	0.002
SiteBOR Op	9.306	3.661	2.542	0.012
SiteIST Op	30.100	15.897	1.893	0.061
SiteMAD Op	7.806	4.359	1.791	0.076
SiteZUR Op	1.702	4.124	0.413	0.680
'Global Tilt'	0.143	0.129	1.110	0.269
'Static Major curve Cobb angle'	-0.082	0.092	-0.894	0.373
'ODI – Score (%)_First Visit'	-0.431	0.138	-3.134	0.002
'SRS22 – SRS Subtotal score_First Visit'	-6.529	4.382	-1.490	0.139
'SF36 – MCS_First Visit'	0.226	0.165	1.373	0.172

	Estimate	Std. Error	t value	Pr(>|t|)
'SF36 - PCS_First Visit'	0.101	0.230	0.439	0.661
'Global Tilt_6w_inc'	0.244	0.145	1.683	0.095
'Static Major curve Cobb angle_6w_inc'	0.028	0.125	0.219	0.827

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	-8.690	16.685	-0.521	0.603
Age	-0.195	0.107	-1.815	0.072
GenderMale	-5.453	3.496	-1.560	0.121
'Prior Spine Surgery'Yes	-2.799	3.049	-0.918	0.360
'ASA classification'	0.068	2.551	0.026	0.979
'BMI_First Visit'	1.074	0.341	3.150	0.002
SiteBOR Op	8.943	3.592	2.490	0.014
SiteIST Op	26.248	15.660	1.676	0.096
SiteMAD Op	7.879	4.273	1.844	0.067
SiteZUR Op	2.454	4.054	0.605	0.546
'Global Tilt'	0.138	0.126	1.090	0.278
'Static Major curve Cobb angle'	-0.098	0.090	-1.090	0.278
'ODI - Score (%)_First Visit'	-0.431	0.135	-3.190	0.002
'SRS22 - SRS Subtotal score_First Visit'	-4.867	4.347	-1.120	0.265
'SF36 - MCS_First Visit'	0.174	0.163	1.068	0.287
'SF36 - PCS_First Visit'	0.075	0.226	0.331	0.742
'Global Tilt_6w_inc'	0.240	0.142	1.691	0.093
'Static Major curve Cobb angle_6w_inc'	0.033	0.123	0.267	0.790
had_major_complicationsYes	6.712	2.694	2.491	0.014

|	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	-7.700	16.948	-0.454	0.650
Age	-0.182	0.109	-1.669	0.098
GenderMale	-4.987	3.549	-1.405	0.162
'Prior Spine Surgery'Yes	-2.765	3.093	-0.894	0.373
'ASA classification'	0.430	2.581	0.167	0.868
'BMI_First Visit'	1.052	0.347	3.033	0.003
SiteBOR Op	9.105	3.640	2.501	0.014
SiteIST Op	31.859	15.837	2.012	0.046
SiteMAD Op	7.592	4.334	1.752	0.082
SiteZUR Op	1.778	4.099	0.434	0.665
'Global Tilt'	0.134	0.128	1.050	0.296
'Static Major curve Cobb angle'	-0.093	0.091	-1.024	0.308
'ODI - Score (%)_First Visit'	-0.431	0.137	-3.148	0.002
'SRS22 - SRS Subtotal score_First Visit'	-5.574	4.395	-1.268	0.207
'SF36 - MCS_First Visit'	0.204	0.164	1.239	0.218
'SF36 - PCS_First Visit'	0.073	0.230	0.319	0.750
'Global Tilt_6w_inc'	0.244	0.144	1.697	0.092
'Static Major curve Cobb angle_6w_inc'	0.033	0.125	0.267	0.790
had_reinterventionsYes	4.516	2.805	1.610	0.110

5Y vs 2Y Effects

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	-9.419	5.015	-1.878	0.061
Age	0.330	0.053	6.244	0.000
GenderMale	-8.278	2.212	-3.743	0.000
Prior_Spine_SurgeryYes	0.610	1.972	0.309	0.757

```
ASA_classification                                      4.820     1.535    3.141    0.002
BMI_First_Visit                                         0.592     0.205    2.890    0.004
SiteBOR Op                                             -0.112     2.367   -0.047    0.962
SiteIST Op                                             20.425    10.179    2.007    0.045
SiteMAD Op                                              0.921     2.871    0.321    0.749
SiteZUR Op                                            -10.786     2.248   -4.799    0.000
`5y_vs_2y_effect`                                      -5.247     8.768   -0.598    0.550
Age:`5y_vs_2y_effect`                                  -0.094     0.098   -0.962    0.336
GenderMale:`5y_vs_2y_effect`                            0.930     3.815    0.244    0.807
Prior_Spine_SurgeryYes:`5y_vs_2y_effect`               2.482     3.296    0.753    0.452
ASA_classification:`5y_vs_2y_effect`                   0.341     2.854    0.120    0.905
BMI_First_Visit:`5y_vs_2y_effect`                      0.299     0.358    0.835    0.404
SiteBOR Op:`5y_vs_2y_effect`                           3.659     4.215    0.868    0.386
SiteIST Op:`5y_vs_2y_effect`                         -17.322    16.138   -1.073    0.284
SiteMAD Op:`5y_vs_2y_effect`                          -0.460     4.757   -0.097    0.923
SiteZUR Op:`5y_vs_2y_effect`                           2.131     3.960    0.538    0.591


                                                    Estimate Std. Error t value
(Intercept)                                           -0.787     5.568   -0.141
Age                                                    0.224     0.054    4.116
GenderMale                                            -7.324     1.945   -3.765
Prior_Spine_SurgeryYes                                 0.111     1.684    0.066
ASA_classification                                     5.065     1.351    3.748
BMI_First_Visit                                        0.612     0.180    3.405
SiteBOR Op                                            -0.722     2.038   -0.354
SiteIST Op                                            10.263     7.938    1.293
SiteMAD Op                                            -0.084     2.379   -0.035
SiteZUR Op                                           -11.366     2.003   -5.675
Global_Tilt                                            0.049     0.062    0.787
Static_Major_curve_Cobb_angle                        -0.103     0.046   -2.241
`5y_vs_2y_effect`                                     -2.996     4.417   -0.678
Global_Tilt:`5y_vs_2y_effect`                         0.081     0.092    0.878
Static_Major_curve_Cobb_angle:`5y_vs_2y_effect`       0.026     0.072    0.362
                                                    Pr(>|t|)
(Intercept)                                           0.888
Age                                                   0.000
GenderMale                                            0.000
Prior_Spine_SurgeryYes                                0.948
ASA_classification                                    0.000
BMI_First_Visit                                       0.001
SiteBOR Op                                            0.723
SiteIST Op                                            0.197
SiteMAD Op                                            0.972
SiteZUR Op                                            0.000
Global_Tilt                                           0.431
Static_Major_curve_Cobb_angle                         0.025
`5y_vs_2y_effect`                                     0.498
Global_Tilt:`5y_vs_2y_effect`                         0.380
Static_Major_curve_Cobb_angle:`5y_vs_2y_effect`       0.718
```
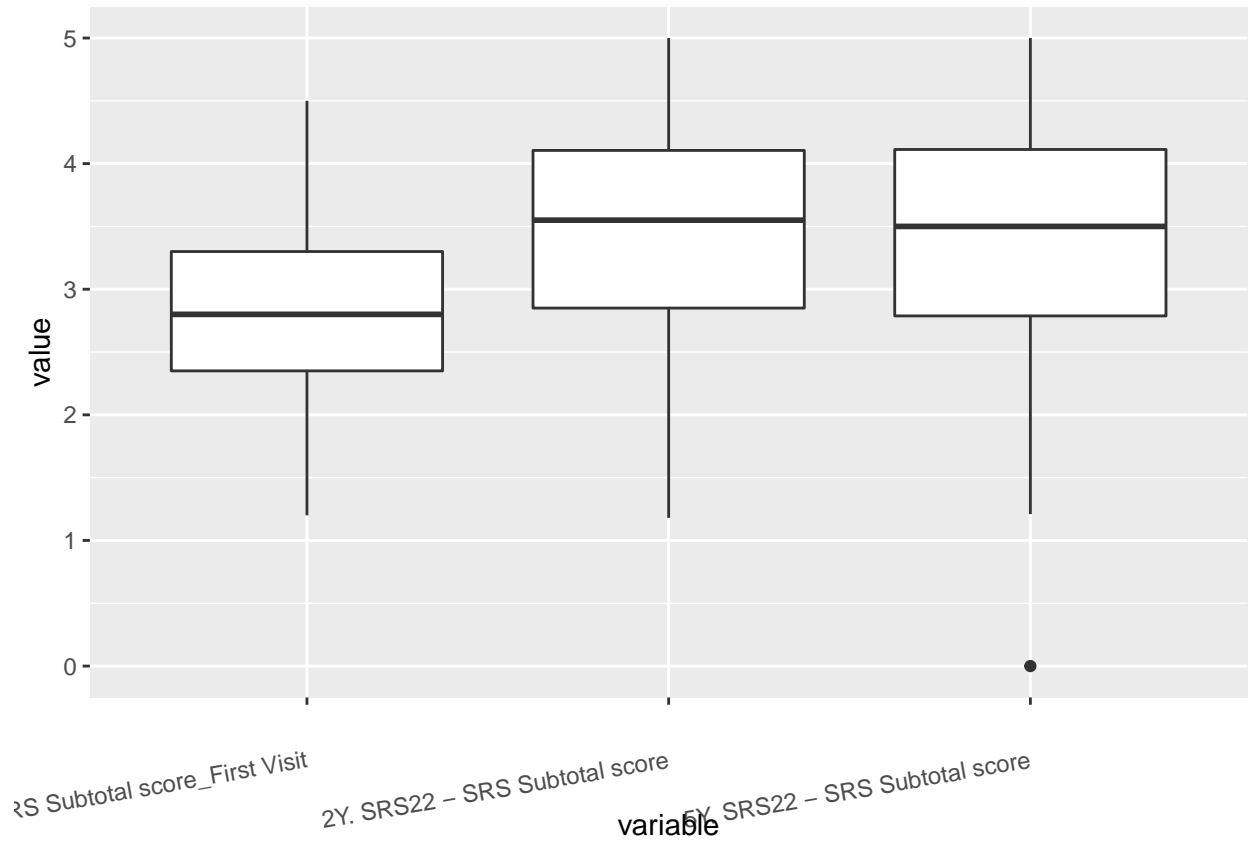
Basic stats

```
    type SRS22 - SRS Subtotal score_First Visit 2Y. SRS22 - SRS Subtotal score
1: Mean                                2.827107                       3.4449173
2:   Sd                                0.695308                       0.8399842
    5Y. SRS22 - SRS Subtotal score
1:                       3.4147273
2:                       0.8789364
```

t-test mean comparison p-values

```
        type       V2
1: base vs 5 0.00000
2:    2 vs 5 0.67507
3: base vs 2 0.00000
```

5 Years Gain Gain (odi neg / others pos) Factors

```
                        Estimate Std. Error t value Pr(>|t|)
(Intercept)                1.307      0.320   4.092    0.000
Age                       -0.001      0.004  -0.300    0.764
GenderMale                 0.036      0.135   0.270    0.787
'Prior Spine Surgery'Yes  -0.085      0.115  -0.736    0.463
'ASA classification'       0.005      0.105   0.046    0.963
```

```
'BMI_First Visit'            -0.018      0.013  -1.391    0.166
SiteBOR Op                   -0.056      0.151  -0.372    0.710
SiteIST Op                   -1.805      0.750  -2.408    0.017
SiteMAD Op                   -0.356      0.167  -2.128    0.035
SiteZUR Op                   -0.254      0.141  -1.799    0.073
```

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	1.295	0.407	3.186	0.002
Age	0.001	0.004	0.124	0.901
GenderMale	0.034	0.144	0.237	0.813
'Prior Spine Surgery'Yes	-0.052	0.123	-0.421	0.674
'ASA classification'	0.003	0.108	0.029	0.977
'BMI_First Visit'	-0.016	0.013	-1.214	0.226
SiteBOR Op	-0.102	0.157	-0.652	0.515
SiteIST Op	-1.888	0.753	-2.506	0.013
SiteMAD Op	-0.382	0.175	-2.187	0.030
SiteZUR Op	-0.366	0.153	-2.400	0.017
'Global Tilt'	-0.001	0.004	-0.263	0.793
'Static Major curve Cobb angle'	-0.001	0.003	-0.417	0.677

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	3.589	0.727	4.935	0.000
Age	0.001	0.004	0.265	0.792
GenderMale	0.179	0.142	1.259	0.210
'Prior Spine Surgery'Yes	-0.053	0.120	-0.438	0.662
'ASA classification'	-0.042	0.110	-0.385	0.701
'BMI_First Visit'	-0.031	0.014	-2.181	0.031
SiteBOR Op	-0.036	0.157	-0.226	0.821
SiteIST Op	-1.459	0.734	-1.987	0.048
SiteMAD Op	-0.281	0.176	-1.596	0.112
SiteZUR Op	-0.127	0.165	-0.771	0.442
'Global Tilt'	-0.004	0.004	-1.047	0.296
'Static Major curve Cobb angle'	0.001	0.003	0.294	0.769
'ODI - Score (%)_First Visit'	-0.009	0.006	-1.563	0.120
'SRS22 - SRS Subtotal score_First Visit'	-0.743	0.178	-4.166	0.000
'SF36 - MCS_First Visit'	0.007	0.007	0.957	0.340
'SF36 - PCS_First Visit'	0.003	0.010	0.355	0.723

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	3.209	0.700	4.582	0.000
Age	0.005	0.004	1.121	0.264
GenderMale	0.172	0.147	1.171	0.244
'Prior Spine Surgery'Yes	0.217	0.128	1.694	0.093
'ASA classification'	0.004	0.107	0.038	0.970
'BMI_First Visit'	-0.040	0.014	-2.769	0.006
SiteBOR Op	-0.242	0.151	-1.605	0.111
SiteIST Op	-1.918	0.654	-2.932	0.004
SiteMAD Op	-0.508	0.179	-2.833	0.005
SiteZUR Op	-0.205	0.170	-1.206	0.230
'Global Tilt'	-0.004	0.005	-0.799	0.426
'Static Major curve Cobb angle'	-0.003	0.004	-0.800	0.425
'ODI - Score (%)_First Visit'	-0.011	0.006	-2.018	0.046
'SRS22 - SRS Subtotal score_First Visit'	-0.545	0.180	-3.023	0.003

	Estimate	Std. Error	t value	Pr(>|t|)
'SF36 - MCS_First Visit'	0.000	0.007	-0.050	0.960
'SF36 - PCS_First Visit'	0.005	0.009	0.482	0.630
'Global Tilt_6w_inc'	-0.009	0.006	-1.525	0.130
'Static Major curve Cobb angle_6w_inc'	-0.012	0.005	-2.278	0.024

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	3.185	0.694	4.590	0.000
Age	0.006	0.004	1.395	0.165
GenderMale	0.177	0.145	1.215	0.227
'Prior Spine Surgery'Yes	0.225	0.127	1.776	0.078
'ASA classification'	0.018	0.106	0.169	0.866
'BMI_First Visit'	-0.039	0.014	-2.720	0.007
SiteBOR Op	-0.231	0.149	-1.544	0.125
SiteIST Op	-1.800	0.651	-2.763	0.007
SiteMAD Op	-0.511	0.178	-2.873	0.005
SiteZUR Op	-0.228	0.169	-1.352	0.179
'Global Tilt'	-0.004	0.005	-0.775	0.440
'Static Major curve Cobb angle'	-0.003	0.004	-0.672	0.503
'ODI - Score (%)_First Visit'	-0.011	0.006	-2.042	0.043
'SRS22 - SRS Subtotal score_First Visit'	-0.596	0.181	-3.299	0.001
'SF36 - MCS_First Visit'	0.001	0.007	0.188	0.851
'SF36 - PCS_First Visit'	0.005	0.009	0.573	0.568
'Global Tilt_6w_inc'	-0.009	0.006	-1.521	0.131
'Static Major curve Cobb angle_6w_inc'	-0.012	0.005	-2.331	0.021
had_major_complicationsYes	-0.207	0.112	-1.848	0.067

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	3.165	0.702	4.509	0.000
Age	0.006	0.005	1.257	0.211
GenderMale	0.164	0.147	1.116	0.266
'Prior Spine Surgery'Yes	0.223	0.128	1.739	0.085
'ASA classification'	0.006	0.107	0.058	0.954
'BMI_First Visit'	-0.038	0.014	-2.659	0.009
SiteBOR Op	-0.237	0.151	-1.571	0.119
SiteIST Op	-1.962	0.656	-2.992	0.003
SiteMAD Op	-0.503	0.180	-2.802	0.006
SiteZUR Op	-0.207	0.170	-1.217	0.226
'Global Tilt'	-0.004	0.005	-0.758	0.450
'Static Major curve Cobb angle'	-0.003	0.004	-0.720	0.473
'ODI - Score (%)_First Visit'	-0.011	0.006	-2.021	0.045
'SRS22 - SRS Subtotal score_First Visit'	-0.569	0.182	-3.127	0.002
'SF36 - MCS_First Visit'	0.000	0.007	0.033	0.973
'SF36 - PCS_First Visit'	0.005	0.010	0.554	0.580
'Global Tilt_6w_inc'	-0.009	0.006	-1.527	0.129
'Static Major curve Cobb angle_6w_inc'	-0.012	0.005	-2.304	0.023
had_reinterventionsYes	-0.113	0.116	-0.974	0.332

5Y vs 2Y Effects

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	4.864	0.221	22.046	0.000
Age	-0.010	0.002	-4.356	0.000
GenderMale	0.334	0.098	3.423	0.001

Prior_Spine_SurgeryYes	-0.107	0.087	-1.230	0.219
ASA_classification	-0.247	0.067	-3.653	0.000
BMI_First_Visit	-0.022	0.009	-2.386	0.017
SiteBOR Op	0.001	0.104	0.009	0.993
SiteIST Op	-0.423	0.447	-0.946	0.345
SiteMAD Op	-0.021	0.126	-0.166	0.868
SiteZUR Op	0.457	0.099	4.606	0.000
`5y_vs_2y_effect`	0.140	0.385	0.364	0.716
Age:`5y_vs_2y_effect`	0.001	0.004	0.317	0.751
GenderMale:`5y_vs_2y_effect`	0.020	0.167	0.121	0.904
Prior_Spine_SurgeryYes:`5y_vs_2y_effect`	-0.059	0.145	-0.406	0.685
ASA_classification:`5y_vs_2y_effect`	0.036	0.125	0.286	0.775
BMI_First_Visit:`5y_vs_2y_effect`	-0.012	0.016	-0.732	0.464
SiteBOR Op:`5y_vs_2y_effect`	0.091	0.184	0.494	0.621
SiteIST Op:`5y_vs_2y_effect`	-0.070	0.708	-0.099	0.921
SiteMAD Op:`5y_vs_2y_effect`	-0.038	0.209	-0.182	0.855
SiteZUR Op:`5y_vs_2y_effect`	-0.111	0.173	-0.641	0.522

	Estimate	Std. Error	t value
(Intercept)	4.427	0.241	18.402
Age	-0.006	0.002	-2.603
GenderMale	0.310	0.084	3.677
Prior_Spine_SurgeryYes	-0.069	0.073	-0.951
ASA_classification	-0.234	0.058	-4.007
BMI_First_Visit	-0.022	0.008	-2.868
SiteBOR Op	0.103	0.088	1.176
SiteIST Op	-0.332	0.342	-0.970
SiteMAD Op	0.001	0.103	0.009
SiteZUR Op	0.456	0.087	5.253
Global_Tilt	-0.002	0.003	-0.709
Static_Major_curve_Cobb_angle	0.005	0.002	2.484
`5y_vs_2y_effect`	0.154	0.190	0.811
Global_Tilt:`5y_vs_2y_effect`	-0.003	0.004	-0.800
Static_Major_curve_Cobb_angle:`5y_vs_2y_effect`	-0.002	0.003	-0.801

	Pr(>|t|)
(Intercept)	0.000
Age	0.009
GenderMale	0.000
Prior_Spine_SurgeryYes	0.342
ASA_classification	0.000
BMI_First_Visit	0.004
SiteBOR Op	0.240
SiteIST Op	0.333
SiteMAD Op	0.993
SiteZUR Op	0.000
Global_Tilt	0.479
Static_Major_curve_Cobb_angle	0.013
`5y_vs_2y_effect`	0.418
Global_Tilt:`5y_vs_2y_effect`	0.424
Static_Major_curve_Cobb_angle:`5y_vs_2y_effect`	0.423
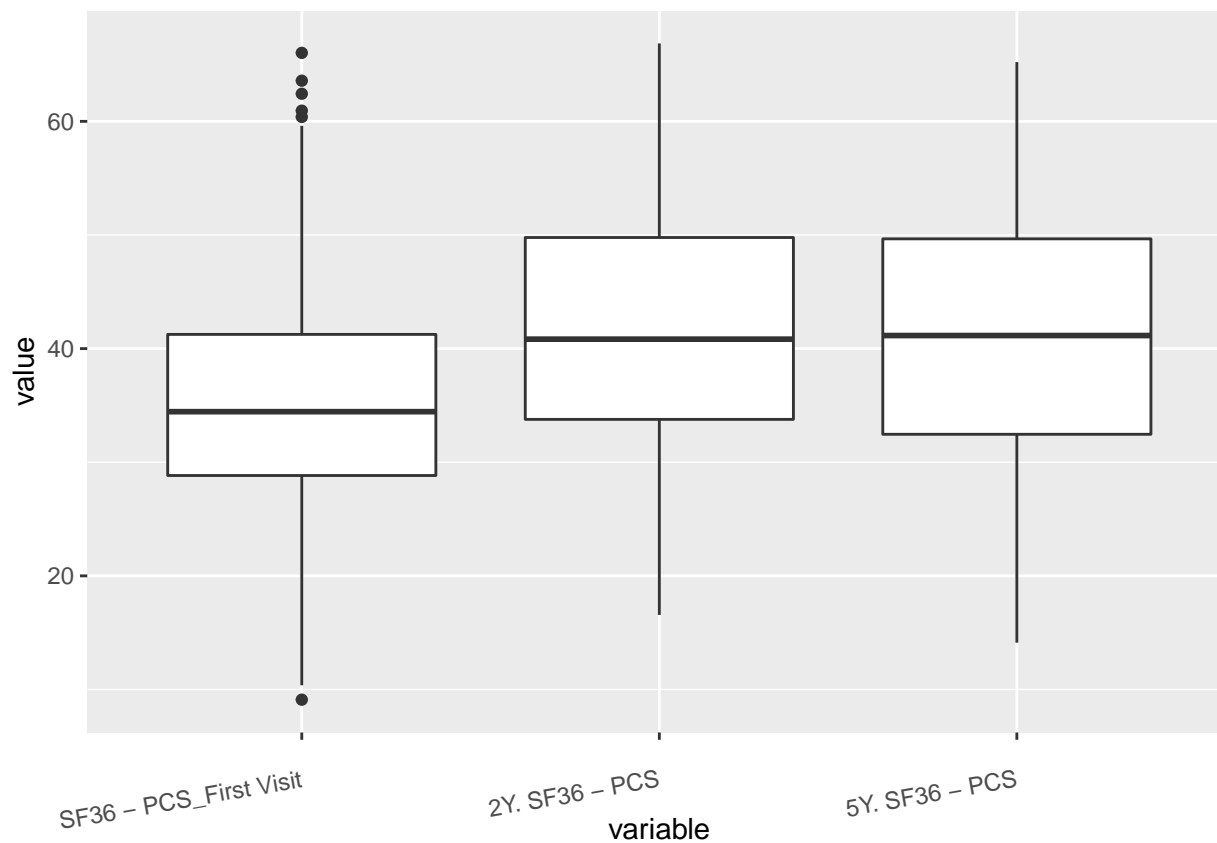
Basic stats

```
    type SF36 - PCS_First Visit 2Y. SF36 - PCS 5Y. SF36 - PCS
1: Mean              35.78183        41.65083        40.81164
2:   Sd              10.24874        10.53984        11.38515
```

t-test mean comparison p-values

```
        type      V2
1: base vs 5 0.0000
2:    2 vs 5 0.3707
3: base vs 2 0.0000
```

5 Years Gain Gain (odi neg / others pos) Factors

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	12.950	4.613	2.807	0.006
Age	0.006	0.051	0.122	0.903
GenderMale	-0.168	1.925	-0.088	0.930
'Prior Spine Surgery'Yes	0.634	1.649	0.384	0.701
'ASA classification'	0.193	1.509	0.128	0.898
'BMI_First Visit'	-0.290	0.191	-1.518	0.131
SiteBOR Op	-0.993	2.132	-0.466	0.642
SiteIST Op	-25.857	10.472	-2.469	0.014

```
SiteMAD Op                                  -3.465      2.376  -1.458    0.146
SiteZUR Op                                   0.083      2.014   0.041    0.967


                                    Estimate Std. Error t value Pr(>|t|)
(Intercept)                           12.171      5.714   2.130    0.035
Age                                    0.026      0.059   0.436    0.663
GenderMale                             0.043      2.054   0.021    0.983
'Prior Spine Surgery'Yes               1.225      1.760   0.696    0.487
'ASA classification'                   0.021      1.542   0.014    0.989
'BMI_First Visit'                     -0.300      0.197  -1.525    0.129
SiteBOR Op                            -2.116      2.222  -0.952    0.342
SiteIST Op                           -26.888     10.491  -2.563    0.011
SiteMAD Op                            -4.589      2.477  -1.852    0.066
SiteZUR Op                            -1.790      2.182  -0.820    0.413
'Global Tilt'                         -0.004      0.057  -0.077    0.939
'Static Major curve Cobb angle'        0.031      0.041   0.755    0.452


                                          Estimate Std. Error t value Pr(>|t|)
(Intercept)                                 51.110      9.037   5.656    0.000
Age                                         -0.029      0.056  -0.513    0.609
GenderMale                                   0.734      1.802   0.408    0.684
'Prior Spine Surgery'Yes                    -0.290      1.523  -0.191    0.849
'ASA classification'                        -0.986      1.371  -0.719    0.473
'BMI_First Visit'                           -0.345      0.180  -1.917    0.057
SiteBOR Op                                   0.880      1.974   0.446    0.656
SiteIST Op                                 -14.667      9.119  -1.608    0.110
SiteMAD Op                                  -3.081      2.239  -1.376    0.171
SiteZUR Op                                   0.612      2.090   0.293    0.770
'Global Tilt'                               -0.056      0.049  -1.137    0.257
'Static Major curve Cobb angle'              0.008      0.035   0.224    0.823
'ODI - Score (%)_First Visit'               -0.160      0.071  -2.245    0.026
'SRS22 - SRS Subtotal score_First Visit'     0.071      2.281   0.031    0.975
'SF36 - MCS_First Visit'                     0.035      0.087   0.402    0.688
'SF36 - PCS_First Visit'                    -0.786      0.122  -6.431    0.000


                                          Estimate Std. Error t value Pr(>|t|)
(Intercept)                                 54.447      9.387   5.800    0.000
Age                                          0.027      0.060   0.455    0.650
GenderMale                                   1.205      1.995   0.604    0.547
'Prior Spine Surgery'Yes                     2.429      1.742   1.395    0.166
'ASA classification'                        -0.808      1.428  -0.565    0.573
'BMI_First Visit'                           -0.651      0.191  -3.404    0.001
SiteBOR Op                                  -1.635      2.041  -0.801    0.425
SiteIST Op                                 -21.015      8.750  -2.402    0.018
SiteMAD Op                                  -6.999      2.453  -2.853    0.005
SiteZUR Op                                  -1.971      2.290  -0.861    0.391
'Global Tilt'                               -0.004      0.071  -0.055    0.957
'Static Major curve Cobb angle'              0.002      0.051   0.049    0.961
'ODI - Score (%)_First Visit'               -0.198      0.076  -2.605    0.010
'SRS22 - SRS Subtotal score_First Visit'     2.269      2.460   0.923    0.358
'SF36 - MCS_First Visit'                    -0.070      0.093  -0.758    0.450
'SF36 - PCS_First Visit'                    -0.778      0.129  -6.026    0.000
'Global Tilt_6w_inc'                         0.012      0.080   0.147    0.884
'Static Major curve Cobb angle_6w_inc'      -0.030      0.071  -0.429    0.668
```

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	54.198	9.309	5.822	0.000
Age	0.044	0.060	0.735	0.464
GenderMale	1.286	1.979	0.650	0.517
'Prior Spine Surgery'Yes	2.511	1.728	1.453	0.149
'ASA classification'	-0.631	1.420	-0.444	0.658
'BMI_First Visit'	-0.640	0.190	-3.373	0.001
SiteBOR Op	-1.569	2.025	-0.775	0.440
SiteIST Op	-19.572	8.715	-2.246	0.026
SiteMAD Op	-7.067	2.433	-2.905	0.004
SiteZUR Op	-2.329	2.280	-1.021	0.309
'Global Tilt'	-0.003	0.070	-0.038	0.969
'Static Major curve Cobb angle'	0.009	0.051	0.176	0.861
'ODI – Score (%)_First Visit'	-0.197	0.075	-2.622	0.010
'SRS22 – SRS Subtotal score_First Visit'	1.686	2.461	0.685	0.495
'SF36 – MCS_First Visit'	-0.053	0.093	-0.572	0.568
'SF36 – PCS_First Visit'	-0.768	0.128	-5.997	0.000
'Global Tilt_6w_inc'	0.012	0.079	0.153	0.879
'Static Major curve Cobb angle_6w_inc'	-0.031	0.070	-0.442	0.660
had_major_complicationsYes	-2.661	1.509	-1.763	0.080

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	53.877	9.408	5.727	0.000
Age	0.037	0.061	0.606	0.546
GenderMale	1.109	1.998	0.555	0.580
'Prior Spine Surgery'Yes	2.498	1.744	1.432	0.155
'ASA classification'	-0.780	1.429	-0.546	0.586
'BMI_First Visit'	-0.634	0.192	-3.299	0.001
SiteBOR Op	-1.604	2.042	-0.785	0.434
SiteIST Op	-21.643	8.776	-2.466	0.015
SiteMAD Op	-6.945	2.455	-2.830	0.005
SiteZUR Op	-2.021	2.292	-0.882	0.380
'Global Tilt'	-0.001	0.071	-0.020	0.984
'Static Major curve Cobb angle'	0.006	0.051	0.123	0.903
'ODI – Score (%)_First Visit'	-0.198	0.076	-2.603	0.010
'SRS22 – SRS Subtotal score_First Visit'	1.985	2.478	0.801	0.425
'SF36 – MCS_First Visit'	-0.064	0.093	-0.691	0.491
'SF36 – PCS_First Visit'	-0.769	0.129	-5.939	0.000
'Global Tilt_6w_inc'	0.011	0.080	0.139	0.890
'Static Major curve Cobb angle_6w_inc'	-0.032	0.071	-0.449	0.654
had_reinterventionsYes	-1.503	1.559	-0.964	0.337

5Y vs 2Y Effects

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	61.951	2.675	23.160	0.000
Age	-0.187	0.028	-6.566	0.000
GenderMale	2.034	1.192	1.707	0.088
Prior_Spine_SurgeryYes	-1.571	1.054	-1.491	0.136
ASA_classification	-3.084	0.828	-3.726	0.000
BMI_First_Visit	-0.254	0.109	-2.331	0.020
SiteBOR Op	3.051	1.250	2.441	0.015
SiteIST Op	4.087	6.555	0.623	0.533

```
SiteMAD Op                                           0.679    1.541   0.441   0.660
SiteZUR Op                                           5.243    1.204   4.355   0.000
'5y_vs_2y_effect'                                    3.849    4.661   0.826   0.409
Age:'5y_vs_2y_effect'                               -0.011    0.052  -0.203   0.839
GenderMale:'5y_vs_2y_effect'                        -0.202    2.036  -0.099   0.921
Prior_Spine_SurgeryYes:'5y_vs_2y_effect'           -0.181    1.762  -0.103   0.918
ASA_classification:'5y_vs_2y_effect'               -0.500    1.517  -0.330   0.742
BMI_First_Visit:'5y_vs_2y_effect'                  -0.114    0.191  -0.598   0.550
SiteBOR Op:'5y_vs_2y_effect'                        -0.530    2.229  -0.238   0.812
SiteIST Op:'5y_vs_2y_effect'                        -5.603    9.302  -0.602   0.547
SiteMAD Op:'5y_vs_2y_effect'                        -1.733    2.557  -0.678   0.498
SiteZUR Op:'5y_vs_2y_effect'                         0.979    2.110   0.464   0.643
```

	Estimate	Std. Error	t value
(Intercept)	57.839	2.906	19.903
Age	-0.128	0.028	-4.500
GenderMale	1.628	1.029	1.582
Prior_Spine_SurgeryYes	-0.765	0.884	-0.865
ASA_classification	-3.414	0.704	-4.847
BMI_First_Visit	-0.245	0.094	-2.601
SiteBOR Op	3.572	1.064	3.358
SiteIST Op	2.730	4.592	0.595
SiteMAD Op	0.493	1.257	0.393
SiteZUR Op	5.767	1.056	5.460
Global_Tilt	-0.038	0.033	-1.151
Static_Major_curve_Cobb_angle	0.042	0.024	1.749
'5y_vs_2y_effect'	0.145	2.311	0.063
Global_Tilt:'5y_vs_2y_effect'	-0.038	0.048	-0.782
Static_Major_curve_Cobb_angle:'5y_vs_2y_effect'	-0.006	0.038	-0.148

	Pr(>|t|)
(Intercept)	0.000
Age	0.000
GenderMale	0.114
Prior_Spine_SurgeryYes	0.388
ASA_classification	0.000
BMI_First_Visit	0.010
SiteBOR Op	0.001
SiteIST Op	0.552
SiteMAD Op	0.695
SiteZUR Op	0.000
Global_Tilt	0.250
Static_Major_curve_Cobb_angle	0.081
'5y_vs_2y_effect'	0.950
Global_Tilt:'5y_vs_2y_effect'	0.435
Static_Major_curve_Cobb_angle:'5y_vs_2y_effect'	0.883
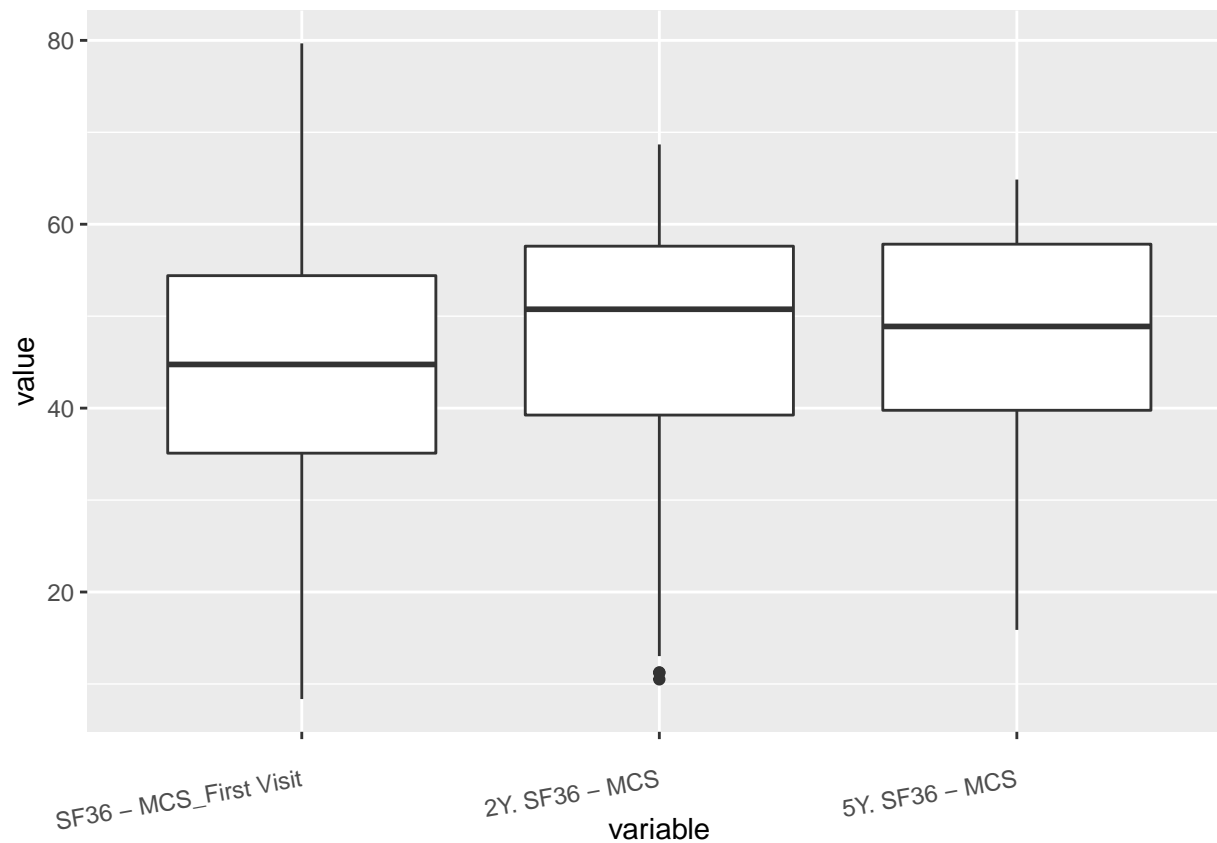
Basic stats

```
    type SF36 - MCS_First Visit 2Y. SF36 - MCS 5Y. SF36 - MCS
1: Mean              43.99314       47.66640         47.48575
2:   Sd              12.61867       12.60867         11.37189
```

t-test mean comparison p-values

```
        type      V2
1: base vs 5 0.00025
2:    2 vs 5 0.85588
3: base vs 2 0.00001
```

5 Years Gain Gain (odi neg / others pos) Factors

```
                          Estimate Std. Error t value Pr(>|t|)
(Intercept)                  7.818      5.227   1.496    0.136
Age                         -0.043      0.058  -0.751    0.454
GenderMale                  -1.693      2.178  -0.777    0.438
'Prior Spine Surgery'Yes    -2.230      1.868  -1.194    0.234
'ASA classification'         2.632      1.708   1.541    0.125
'BMI_First Visit'           -0.244      0.216  -1.127    0.261
SiteBOR Op                   1.915      2.414   0.793    0.429
SiteIST Op                 -15.427     11.869  -1.300    0.195
```

```
SiteMAD Op                              1.535    2.693   0.570    0.569
SiteZUR Op                             -1.167    2.276  -0.513    0.609


                                       Estimate Std. Error t value Pr(>|t|)
(Intercept)                             12.708    6.515   1.951    0.053
Age                                     -0.067    0.067  -0.992    0.323
GenderMale                              -3.575    2.340  -1.528    0.128
'Prior Spine Surgery'Yes                -2.478    2.006  -1.235    0.218
'ASA classification'                     2.457    1.757   1.399    0.164
'BMI_First Visit'                       -0.250    0.225  -1.113    0.267
SiteBOR Op                               0.992    2.533   0.391    0.696
SiteIST Op                             -17.743   11.968  -1.483    0.140
SiteMAD Op                               1.220    2.826   0.432    0.666
SiteZUR Op                              -1.479    2.483  -0.595    0.552
'Global Tilt'                            0.026    0.065   0.399    0.690
'Static Major curve Cobb angle'         -0.066    0.047  -1.428    0.155


                                              Estimate Std. Error t value Pr(>|t|)
(Intercept)                                    32.427   10.018   3.237    0.001
Age                                             0.006    0.062   0.093    0.926
GenderMale                                     -0.827    1.995  -0.415    0.679
'Prior Spine Surgery'Yes                       -0.851    1.688  -0.504    0.615
'ASA classification'                            1.731    1.519   1.140    0.256
'BMI_First Visit'                              -0.375    0.200  -1.881    0.062
SiteBOR Op                                     -1.020    2.185  -0.467    0.641
SiteIST Op                                    -20.548   10.109  -2.033    0.044
SiteMAD Op                                     -0.205    2.481  -0.083    0.934
SiteZUR Op                                     -0.995    2.317  -0.430    0.668
'Global Tilt'                                   0.025    0.054   0.466    0.642
'Static Major curve Cobb angle'                -0.028    0.039  -0.712    0.478
'ODI - Score (%)_First Visit'                  -0.014    0.079  -0.180    0.857
'SRS22 - SRS Subtotal score_First Visit'        1.678    2.519   0.666    0.506
'SF36 - MCS_First Visit'                       -0.645    0.096  -6.729    0.000
'SF36 - PCS_First Visit'                        0.084    0.135   0.622    0.535


                                              Estimate Std. Error t value Pr(>|t|)
(Intercept)                                    36.136   11.095   3.257    0.001
Age                                             0.000    0.071  -0.001    0.999
GenderMale                                     -0.039    2.353  -0.017    0.987
'Prior Spine Surgery'Yes                       -1.289    2.058  -0.626    0.532
'ASA classification'                            2.481    1.686   1.471    0.144
'BMI_First Visit'                              -0.508    0.226  -2.249    0.026
SiteBOR Op                                     -1.074    2.404  -0.447    0.656
SiteIST Op                                    -19.104   10.337  -1.848    0.067
SiteMAD Op                                     -1.812    2.895  -0.626    0.532
SiteZUR Op                                     -1.764    2.705  -0.652    0.515
'Global Tilt'                                  -0.020    0.084  -0.233    0.816
'Static Major curve Cobb angle'                0.036    0.060   0.593    0.554
'ODI - Score (%)_First Visit'                  -0.023    0.090  -0.259    0.796
'SRS22 - SRS Subtotal score_First Visit'        2.196    2.889   0.760    0.448
'SF36 - MCS_First Visit'                       -0.693    0.109  -6.354    0.000
'SF36 - PCS_First Visit'                        0.064    0.153   0.418    0.677
'Global Tilt_6w_inc'                           -0.066    0.095  -0.696    0.488
'Static Major curve Cobb angle_6w_inc'          0.080    0.084   0.952    0.343
```

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	36.042	11.125	3.240	0.002
Age	0.007	0.072	0.091	0.927
GenderMale	-0.003	2.360	-0.001	0.999
'Prior Spine Surgery'Yes	-1.254	2.064	-0.608	0.545
'ASA classification'	2.554	1.695	1.506	0.135
'BMI_First Visit'	-0.503	0.226	-2.221	0.028
SiteBOR Op	-1.042	2.411	-0.432	0.666
SiteIST Op	-18.518	10.412	-1.779	0.078
SiteMAD Op	-1.835	2.903	-0.632	0.528
SiteZUR Op	-1.910	2.723	-0.701	0.484
'Global Tilt'	-0.019	0.084	-0.226	0.822
'Static Major curve Cobb angle'	0.038	0.061	0.634	0.528
'ODI - Score (%)_First Visit'	-0.023	0.090	-0.258	0.797
'SRS22 - SRS Subtotal score_First Visit'	1.955	2.925	0.668	0.505
'SF36 - MCS_First Visit'	-0.686	0.110	-6.231	0.000
'SF36 - PCS_First Visit'	0.068	0.153	0.441	0.660
'Global Tilt_6w_inc'	-0.066	0.095	-0.692	0.490
'Static Major curve Cobb angle_6w_inc'	0.079	0.084	0.947	0.346
had_major_complicationsYes	-1.064	1.802	-0.590	0.556

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	35.665	11.140	3.202	0.002
Age	0.008	0.072	0.108	0.914
GenderMale	-0.116	2.361	-0.049	0.961
'Prior Spine Surgery'Yes	-1.229	2.065	-0.595	0.553
'ASA classification'	2.507	1.691	1.483	0.141
'BMI_First Visit'	-0.493	0.227	-2.168	0.032
SiteBOR Op	-1.041	2.410	-0.432	0.667
SiteIST Op	-19.620	10.387	-1.889	0.061
SiteMAD Op	-1.761	2.902	-0.607	0.545
SiteZUR Op	-1.810	2.712	-0.667	0.506
'Global Tilt'	-0.017	0.084	-0.207	0.836
'Static Major curve Cobb angle'	0.039	0.061	0.644	0.521
'ODI - Score (%)_First Visit'	-0.023	0.090	-0.259	0.796
'SRS22 - SRS Subtotal score_First Visit'	1.947	2.918	0.667	0.506
'SF36 - MCS_First Visit'	-0.688	0.110	-6.273	0.000
'SF36 - PCS_First Visit'	0.071	0.153	0.465	0.642
'Global Tilt_6w_inc'	-0.066	0.095	-0.700	0.485
'Static Major curve Cobb angle_6w_inc'	0.079	0.084	0.936	0.351
had_reinterventionsYes	-1.263	1.844	-0.685	0.495

5Y vs 2Y Effects

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	57.118	3.495	16.342	0.000
Age	-0.040	0.037	-1.070	0.285
GenderMale	5.258	1.557	3.377	0.001
Prior_Spine_SurgeryYes	-1.253	1.377	-0.910	0.363
ASA_classification	-0.961	1.081	-0.888	0.375
BMI_First_Visit	-0.225	0.143	-1.581	0.114
SiteBOR Op	-3.408	1.633	-2.087	0.037
SiteIST Op	-13.950	8.565	-1.629	0.104

SiteMAD Op	-2.184	2.014	-1.084	0.279
SiteZUR Op	2.680	1.573	1.704	0.089
`5y_vs_2y_effect`	-3.346	6.089	-0.549	0.583
Age:`5y_vs_2y_effect`	0.037	0.068	0.543	0.588
GenderMale:`5y_vs_2y_effect`	-1.953	2.657	-0.735	0.463
Prior_Spine_SurgeryYes:`5y_vs_2y_effect`	-1.294	2.301	-0.562	0.574
ASA_classification:`5y_vs_2y_effect`	1.485	1.980	0.750	0.454
BMI_First_Visit:`5y_vs_2y_effect`	-0.095	0.249	-0.383	0.702
SiteBOR Op:`5y_vs_2y_effect`	3.548	2.911	1.219	0.223
SiteIST Op:`5y_vs_2y_effect`	2.526	12.155	0.208	0.835
SiteMAD Op:`5y_vs_2y_effect`	3.465	3.341	1.037	0.300
SiteZUR Op:`5y_vs_2y_effect`	0.503	2.752	0.183	0.855

	Estimate	Std. Error	t value
(Intercept)	52.331	3.839	13.632
Age	-0.028	0.038	-0.756
GenderMale	4.150	1.359	3.054
Prior_Spine_SurgeryYes	-0.960	1.168	-0.823
ASA_classification	-0.500	0.930	-0.538
BMI_First_Visit	-0.291	0.124	-2.344
SiteBOR Op	-1.839	1.405	-1.309
SiteIST Op	-12.411	6.067	-2.046
SiteMAD Op	-0.719	1.660	-0.433
SiteZUR Op	2.983	1.394	2.139
Global_Tilt	0.042	0.043	0.976
Static_Major_curve_Cobb_angle	0.072	0.032	2.264
`5y_vs_2y_effect`	4.216	3.047	1.384
Global_Tilt:`5y_vs_2y_effect`	-0.042	0.063	-0.660
Static_Major_curve_Cobb_angle:`5y_vs_2y_effect`	-0.067	0.050	-1.351

	Pr(>|t|)
(Intercept)	0.000
Age	0.450
GenderMale	0.002
Prior_Spine_SurgeryYes	0.411
ASA_classification	0.591
BMI_First_Visit	0.019
SiteBOR Op	0.191
SiteIST Op	0.041
SiteMAD Op	0.665
SiteZUR Op	0.033
Global_Tilt	0.329
Static_Major_curve_Cobb_angle	0.024
`5y_vs_2y_effect`	0.167
Global_Tilt:`5y_vs_2y_effect`	0.510
Static_Major_curve_Cobb_angle:`5y_vs_2y_effect`	0.177
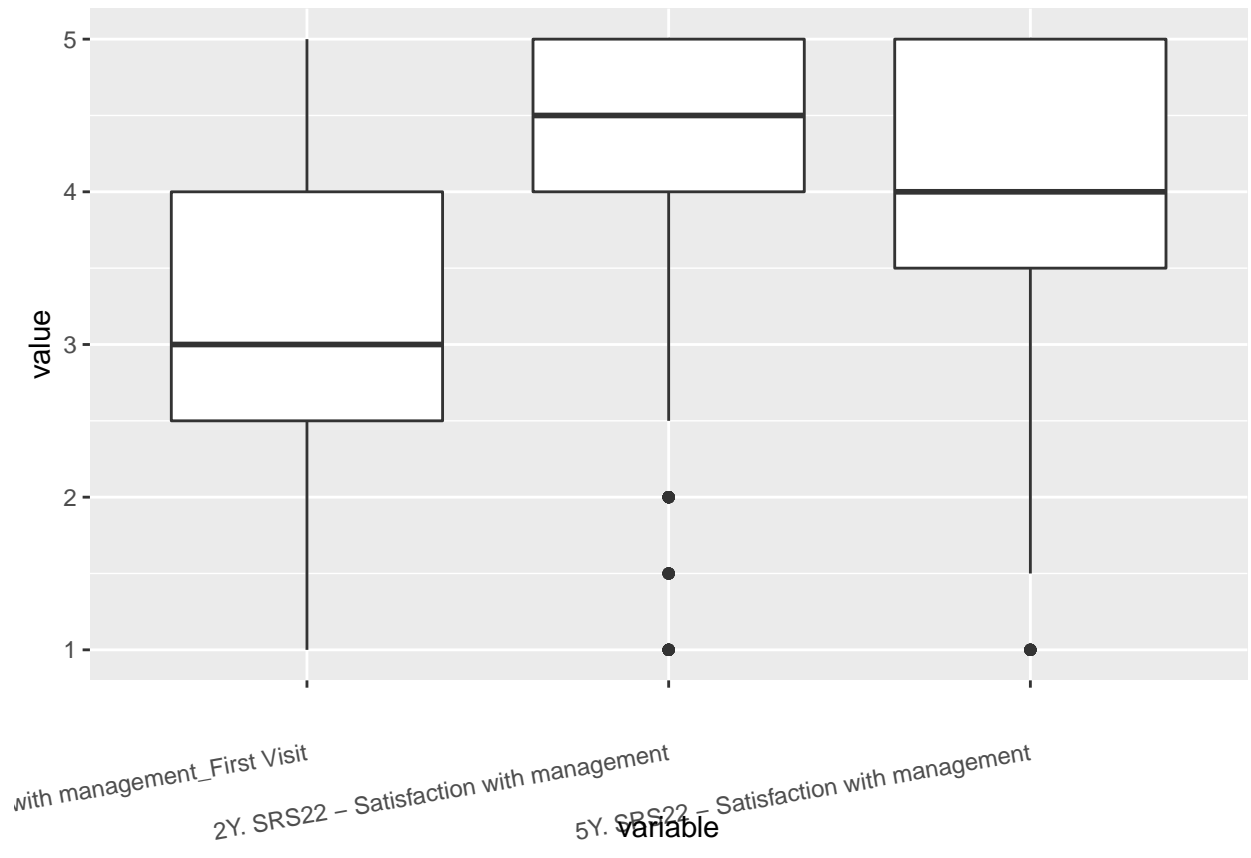
Basic stats

```
   type SRS22 - Satisfaction with management_First Visit
1: Mean                                            3.073418
2:   Sd                                            1.045744
   2Y. SRS22 - Satisfaction with management
1:                            4.1286058
2:                            0.9974299
   5Y. SRS22 - Satisfaction with management
1:                            3.951835
2:                            1.056567
```

t-test mean comparison p-values

```
        type      V2
1: base vs 5 0.00000
2:    2 vs 5 0.04203
3: base vs 2 0.00000
```

5 Years Gain Gain (odi neg / others pos) Factors

```
                Estimate Std. Error t value Pr(>|t|)
(Intercept)        2.016      0.776   2.598    0.011
Age               -0.001      0.008  -0.109    0.913
```

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```
GenderMale                      -0.415    0.291  -1.426    0.156
'Prior Spine Surgery'Yes        -0.001    0.236  -0.006    0.995
'ASA classification'            -0.347    0.212  -1.637    0.104
'BMI_First Visit'               -0.011    0.030  -0.369    0.713
SiteBOR Op                       0.684    0.654   1.046    0.298
SiteMAD Op                      -0.336    0.326  -1.032    0.304
SiteZUR Op                       0.052    0.281   0.186    0.853
```

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	1.366	0.889	1.536	0.127
Age	0.008	0.009	0.899	0.371
GenderMale	-0.338	0.316	-1.071	0.287
'Prior Spine Surgery'Yes	-0.011	0.247	-0.046	0.964
'ASA classification'	-0.249	0.213	-1.168	0.245
'BMI_First Visit'	-0.001	0.030	-0.031	0.975
SiteBOR Op	0.839	0.657	1.278	0.204
SiteMAD Op	-0.343	0.334	-1.025	0.308
SiteZUR Op	-0.102	0.296	-0.344	0.731
'Global Tilt'	-0.010	0.009	-1.027	0.306
'Static Major curve Cobb angle'	-0.001	0.006	-0.134	0.893

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	4.367	1.472	2.966	0.004
Age	0.007	0.009	0.823	0.412
GenderMale	-0.156	0.302	-0.515	0.607
'Prior Spine Surgery'Yes	0.081	0.236	0.345	0.731
'ASA classification'	-0.327	0.220	-1.485	0.141
'BMI_First Visit'	-0.013	0.030	-0.417	0.678
SiteBOR Op	1.389	0.630	2.204	0.030
SiteMAD Op	0.030	0.326	0.092	0.927
SiteZUR Op	0.339	0.312	1.087	0.280
'Global Tilt'	-0.020	0.009	-2.206	0.030
'Static Major curve Cobb angle'	-0.001	0.006	-0.089	0.929
'ODI - Score (%)_First Visit'	-0.012	0.012	-1.014	0.313
'SRS22 - SRS Subtotal score_First Visit'	-0.359	0.384	-0.936	0.351
'SF36 - MCS_First Visit'	0.000	0.014	0.020	0.984
'SF36 - PCS_First Visit'	-0.035	0.021	-1.717	0.089

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	6.347	1.620	3.917	0.000
Age	0.019	0.011	1.776	0.080
GenderMale	-0.093	0.370	-0.252	0.802
'Prior Spine Surgery'Yes	0.401	0.301	1.333	0.187
'ASA classification'	-0.413	0.245	-1.686	0.096
'BMI_First Visit'	-0.057	0.035	-1.625	0.109
SiteBOR Op	0.484	0.680	0.711	0.479
SiteMAD Op	0.032	0.401	0.079	0.937
SiteZUR Op	0.506	0.385	1.312	0.194
'Global Tilt'	-0.018	0.014	-1.266	0.210
'Static Major curve Cobb angle'	0.005	0.010	0.467	0.642
'ODI - Score (%)_First Visit'	-0.026	0.014	-1.885	0.064
'SRS22 - SRS Subtotal score_First Visit'	-0.595	0.486	-1.224	0.225
'SF36 - MCS_First Visit'	-0.019	0.017	-1.132	0.262

	Estimate	Std. Error	t value	Pr(>|t|)
'SF36 - PCS_First Visit'	-0.030	0.024	-1.225	0.225
'Global Tilt_6w_inc'	-0.024	0.015	-1.597	0.115
'Static Major curve Cobb angle_6w_inc'	0.000	0.013	0.013	0.989

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	5.988	1.528	3.919	0.000
Age	0.020	0.010	1.906	0.061
GenderMale	-0.069	0.348	-0.199	0.843
'Prior Spine Surgery'Yes	0.340	0.284	1.198	0.235
'ASA classification'	-0.327	0.232	-1.411	0.163
'BMI_First Visit'	-0.038	0.034	-1.129	0.263
SiteBOR Op	0.683	0.643	1.062	0.292
SiteMAD Op	0.028	0.377	0.075	0.941
SiteZUR Op	0.452	0.363	1.246	0.217
'Global Tilt'	-0.013	0.013	-1.006	0.318
'Static Major curve Cobb angle'	0.007	0.009	0.717	0.476
'ODI - Score (%)_First Visit'	-0.026	0.013	-2.028	0.047
'SRS22 - SRS Subtotal score_First Visit'	-0.859	0.464	-1.850	0.069
'SF36 - MCS_First Visit'	-0.009	0.016	-0.560	0.577
'SF36 - PCS_First Visit'	-0.023	0.023	-1.014	0.314
'Global Tilt_6w_inc'	-0.020	0.014	-1.422	0.160
'Static Major curve Cobb angle_6w_inc'	0.002	0.012	0.152	0.880
had_major_complicationsYes	-0.802	0.253	-3.167	0.002

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	5.974	1.561	3.827	0.000
Age	0.020	0.011	1.950	0.055
GenderMale	-0.153	0.356	-0.431	0.668
'Prior Spine Surgery'Yes	0.327	0.290	1.128	0.263
'ASA classification'	-0.386	0.235	-1.641	0.105
'BMI_First Visit'	-0.035	0.035	-1.015	0.314
SiteBOR Op	0.682	0.657	1.038	0.303
SiteMAD Op	0.102	0.386	0.264	0.793
SiteZUR Op	0.552	0.370	1.492	0.140
'Global Tilt'	-0.011	0.014	-0.836	0.406
'Static Major curve Cobb angle'	0.006	0.009	0.615	0.541
'ODI - Score (%)_First Visit'	-0.027	0.013	-2.067	0.043
'SRS22 - SRS Subtotal score_First Visit'	-0.834	0.475	-1.757	0.083
'SF36 - MCS_First Visit'	-0.013	0.017	-0.799	0.427
'SF36 - PCS_First Visit'	-0.022	0.023	-0.939	0.351
'Global Tilt_6w_inc'	-0.021	0.015	-1.423	0.159
'Static Major curve Cobb angle_6w_inc'	0.002	0.012	0.159	0.874
had_reinterventionsYes	-0.713	0.271	-2.635	0.010

5Y vs 2Y Effects

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	4.919	0.286	17.178	0.000
Age	-0.009	0.003	-2.847	0.005
GenderMale	0.081	0.126	0.642	0.521
Prior_Spine_SurgeryYes	-0.089	0.113	-0.793	0.428
ASA_classification	-0.248	0.089	-2.799	0.005
BMI_First_Visit	0.002	0.012	0.157	0.876

SiteBOR Op	0.051	0.134	0.377	0.707
SiteIST Op	-0.187	0.575	-0.325	0.745
SiteMAD Op	-0.170	0.165	-1.033	0.302
SiteZUR Op	0.465	0.130	3.588	0.000
`5y_vs_2y_effect`	-0.143	0.504	-0.284	0.777
Age:`5y_vs_2y_effect`	0.002	0.006	0.307	0.759
GenderMale:`5y_vs_2y_effect`	-0.003	0.215	-0.014	0.989
Prior_Spine_SurgeryYes:`5y_vs_2y_effect`	0.228	0.187	1.214	0.225
ASA_classification:`5y_vs_2y_effect`	0.015	0.162	0.093	0.926
BMI_First_Visit:`5y_vs_2y_effect`	-0.006	0.021	-0.290	0.772
SiteBOR Op:`5y_vs_2y_effect`	-0.257	0.238	-1.081	0.280
SiteIST Op:`5y_vs_2y_effect`	-1.264	0.911	-1.388	0.166
SiteMAD Op:`5y_vs_2y_effect`	-0.059	0.270	-0.220	0.826
SiteZUR Op:`5y_vs_2y_effect`	0.007	0.224	0.032	0.974

	Estimate	Std. Error	t value
(Intercept)	4.559	0.311	14.681
Age	-0.010	0.003	-3.410
GenderMale	0.097	0.108	0.894
Prior_Spine_SurgeryYes	-0.020	0.094	-0.213
ASA_classification	-0.213	0.075	-2.843
BMI_First_Visit	0.003	0.010	0.252
SiteBOR Op	-0.037	0.113	-0.331
SiteIST Op	-0.659	0.437	-1.507
SiteMAD Op	-0.201	0.133	-1.520
SiteZUR Op	0.465	0.112	4.141
Global_Tilt	0.007	0.003	1.881
Static_Major_curve_Cobb_angle	0.005	0.003	1.880
`5y_vs_2y_effect`	0.084	0.244	0.346
Global_Tilt:`5y_vs_2y_effect`	-0.004	0.005	-0.713
Static_Major_curve_Cobb_angle:`5y_vs_2y_effect`	-0.004	0.004	-0.886

	Pr(>|t|)
(Intercept)	0.000
Age	0.001
GenderMale	0.372
Prior_Spine_SurgeryYes	0.832
ASA_classification	0.005
BMI_First_Visit	0.801
SiteBOR Op	0.740
SiteIST Op	0.132
SiteMAD Op	0.129
SiteZUR Op	0.000
Global_Tilt	0.060
Static_Major_curve_Cobb_angle	0.061
`5y_vs_2y_effect`	0.729
Global_Tilt:`5y_vs_2y_effect`	0.476
Static_Major_curve_Cobb_angle:`5y_vs_2y_effect`	0.376