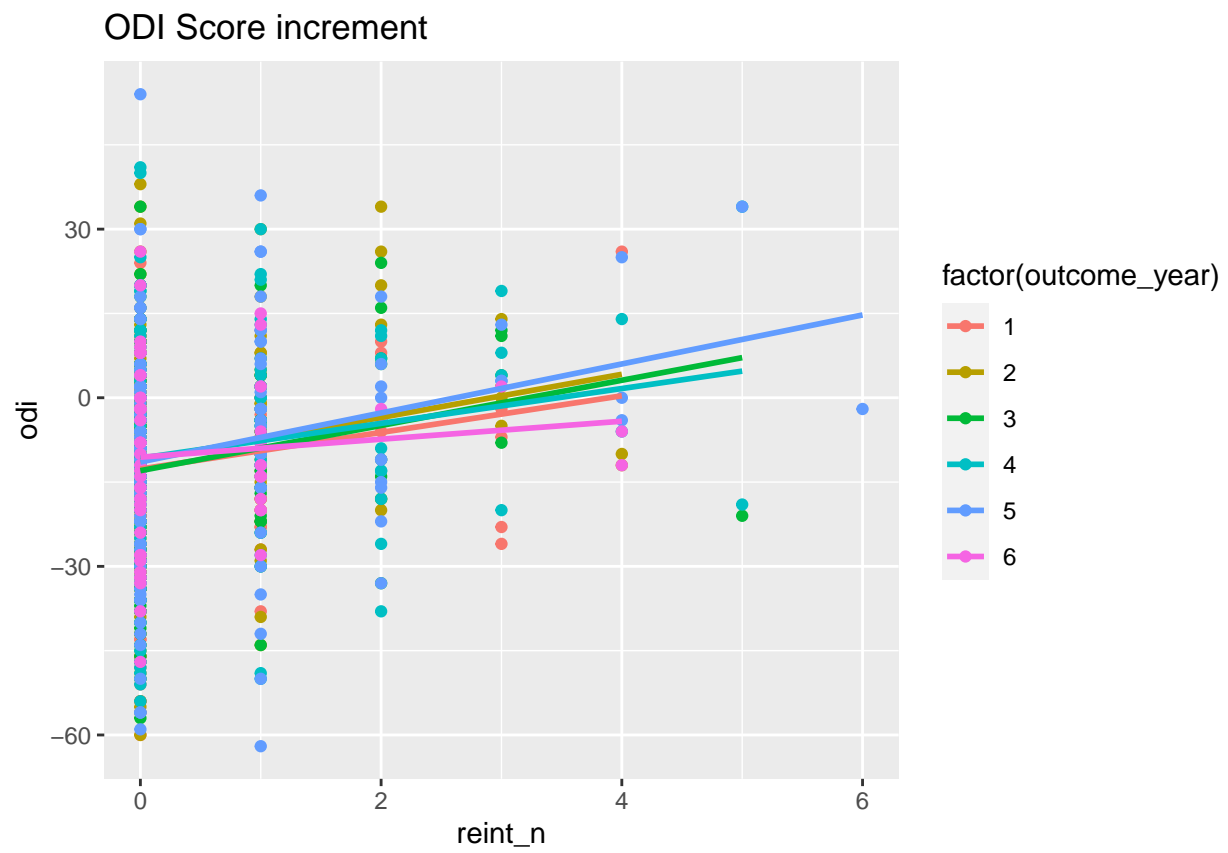# Reinterventions exploration

Controling Variables

```
cat(controlling_vars %>% as.yaml())
```

```
- Age
- Gender
- Site
- Prior Spine Surgery
- ASA classification
- 3CO
- SPOs
- BMI_First Visit
- Tobacco use_First Visit
- Osteoporosis / osteopenia
- LGap
- Global Tilt
- ideal LL
- Lordosis (top of L1-S1)
- RLL
- ODI - Score (%)_First Visit
- SRS22 - SRS Total score_First Visit
- SF36 - PCS_First Visit
- SF36 - MCS_First Visit
- Major curve Cobb angle
```

Proportion of reinterventions by year

```
   year  N prop
1:    1 59 35.8
2:    2 27 16.4
3:    3 19 11.5
4:    4 20 12.1
5:    5 15  9.1
6:    6 10  6.1
7:    7  7  4.2
8:    8  7  4.2
9:    9  1  0.6
```
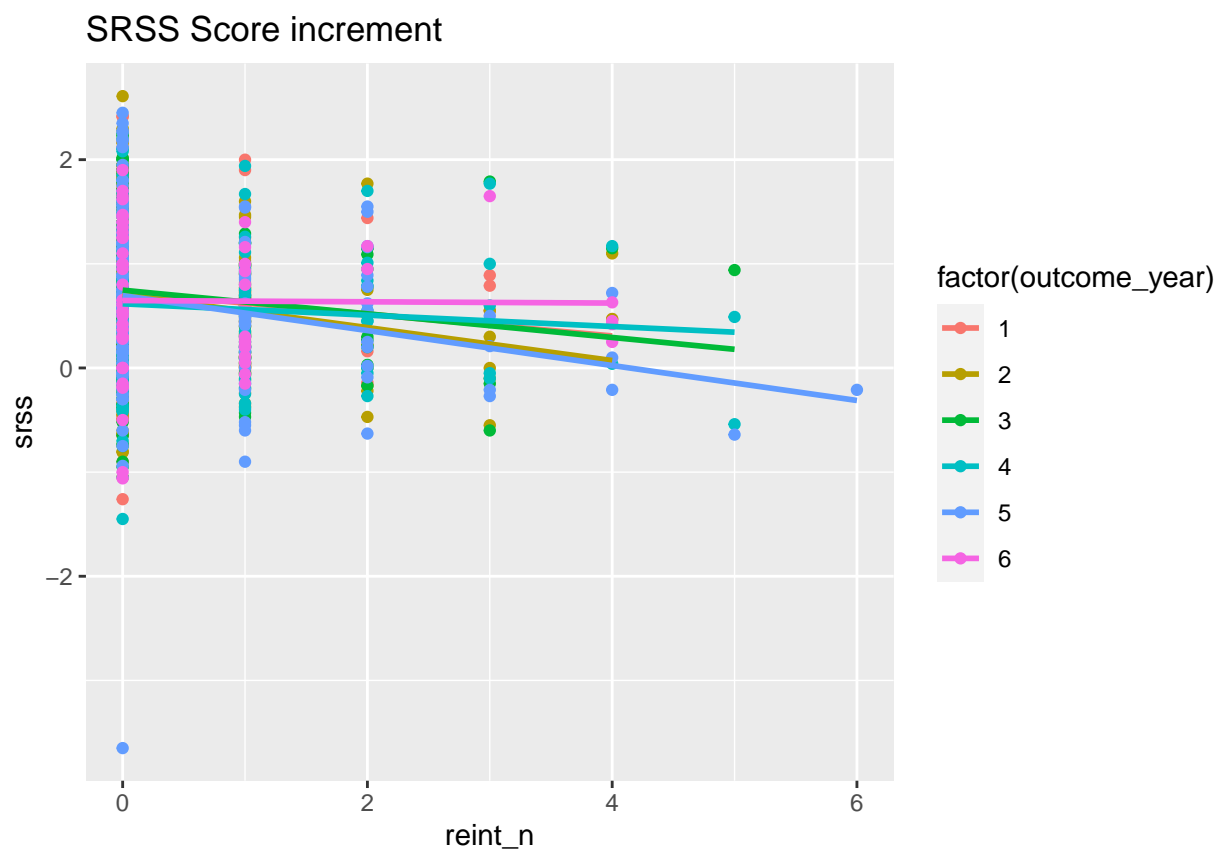
Reinterventions Impact

ODI Score increment

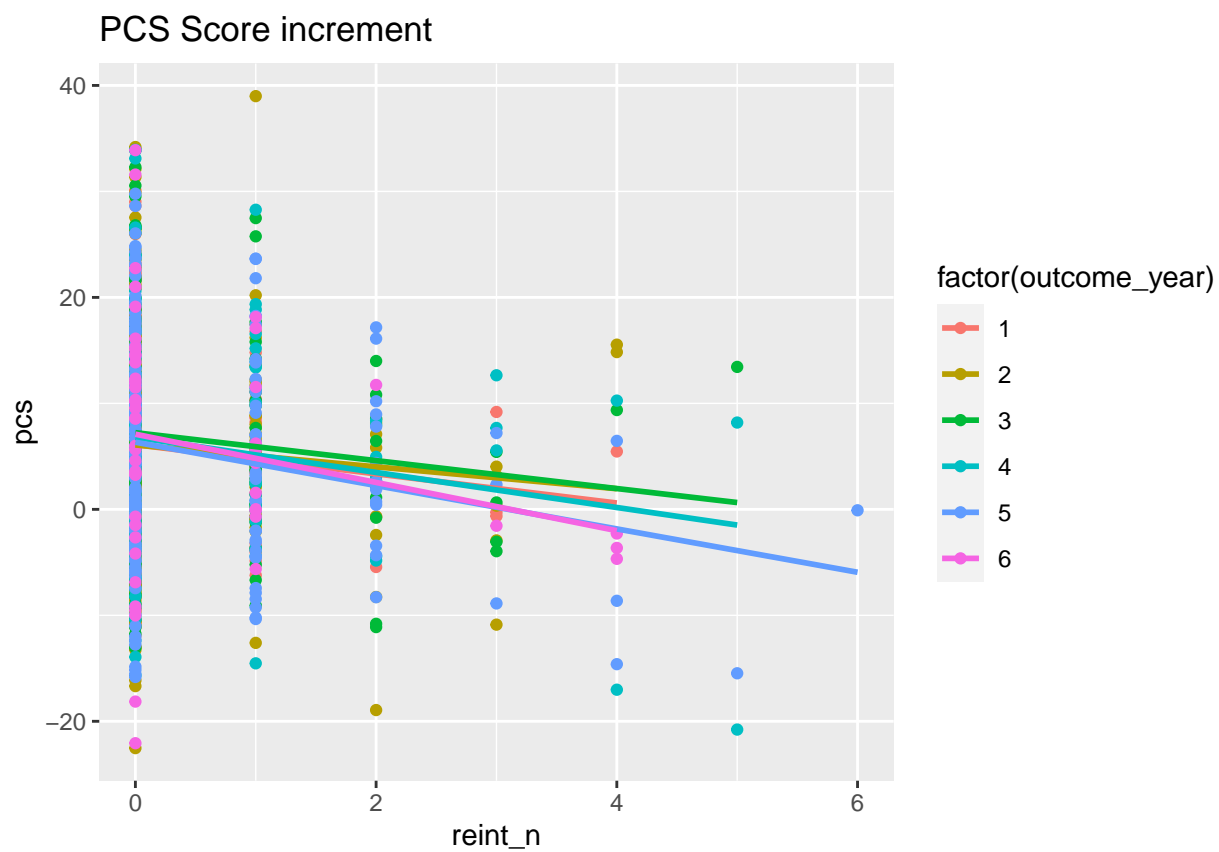
Dilution effect of odi: time since last operation (controlling by same variables plus number of reinterventions

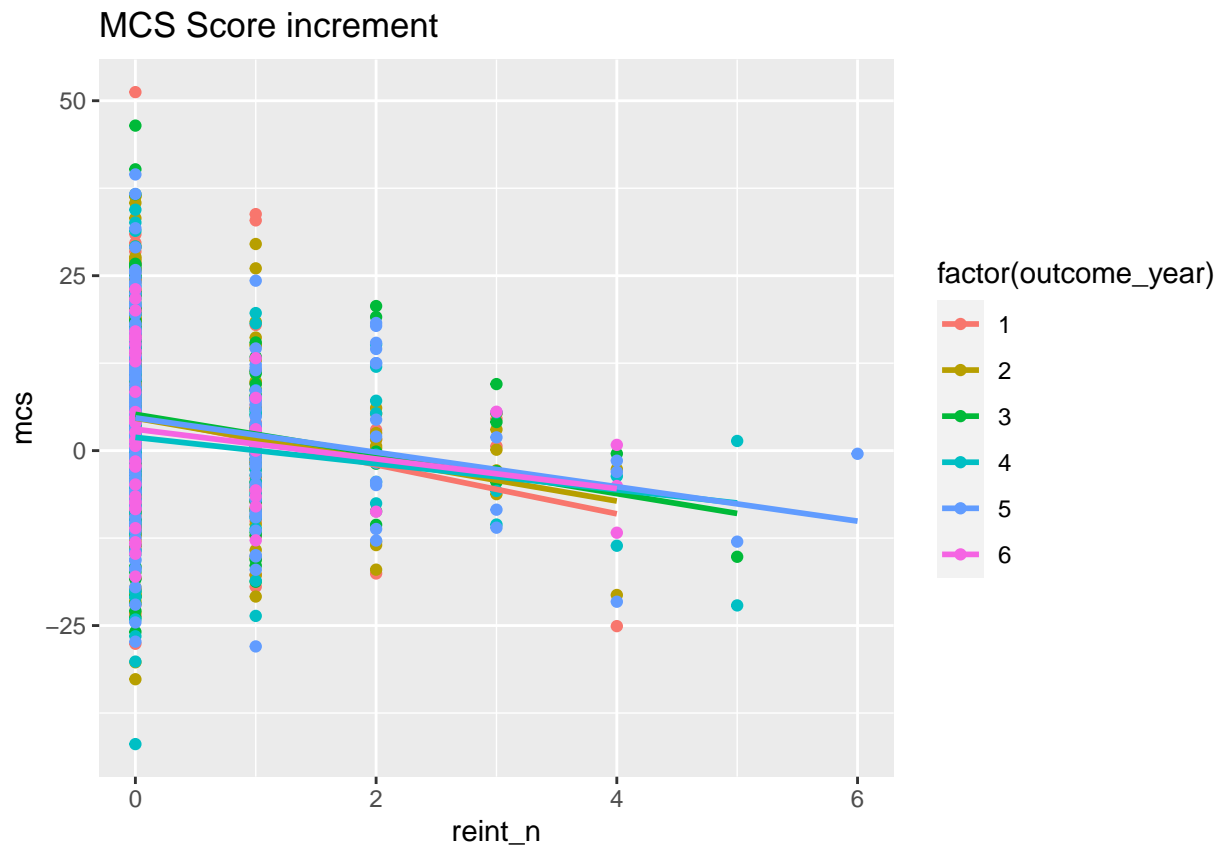and outcome year) in first 6 years.

SRSS Score increment

Dilution effect of srss: time since last operation (controlling by same variables plus number of reinterventions

and outcome year) in first 5 years.

PCS Score increment

Dilution effect of pcs: time since last operation (controlling by same variables plus number of reinterventions

and outcome year) in first 6 years.

MCS Score increment

Dilution effect of mcs: time since last operation (controlling by same variables plus number of reinterventions and outcome year) in first years.