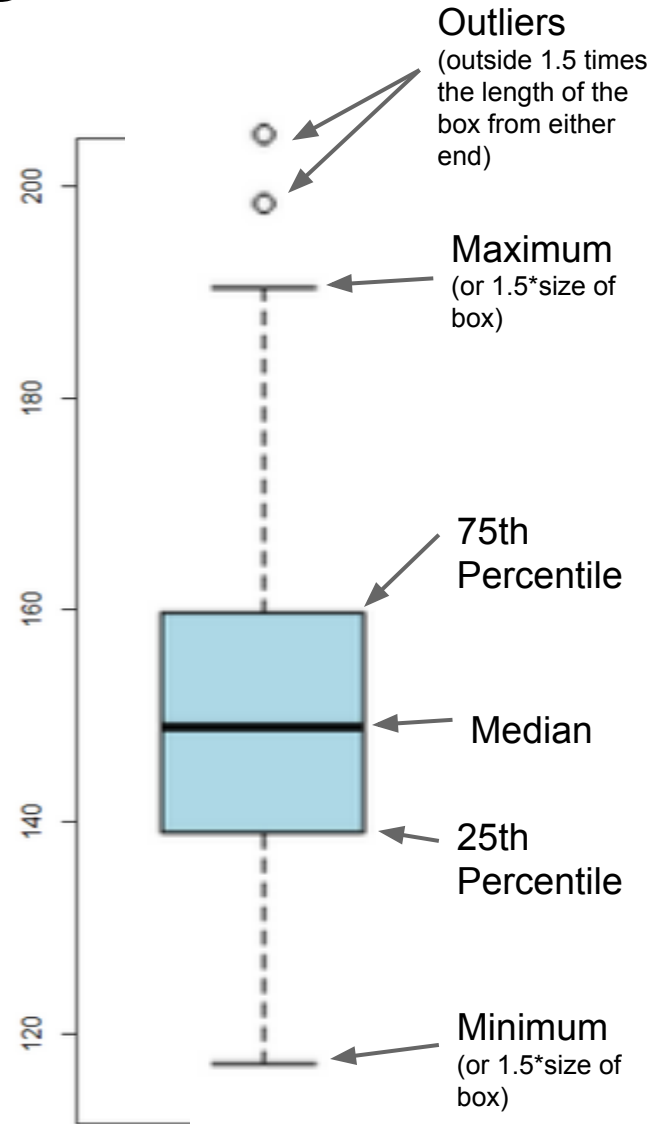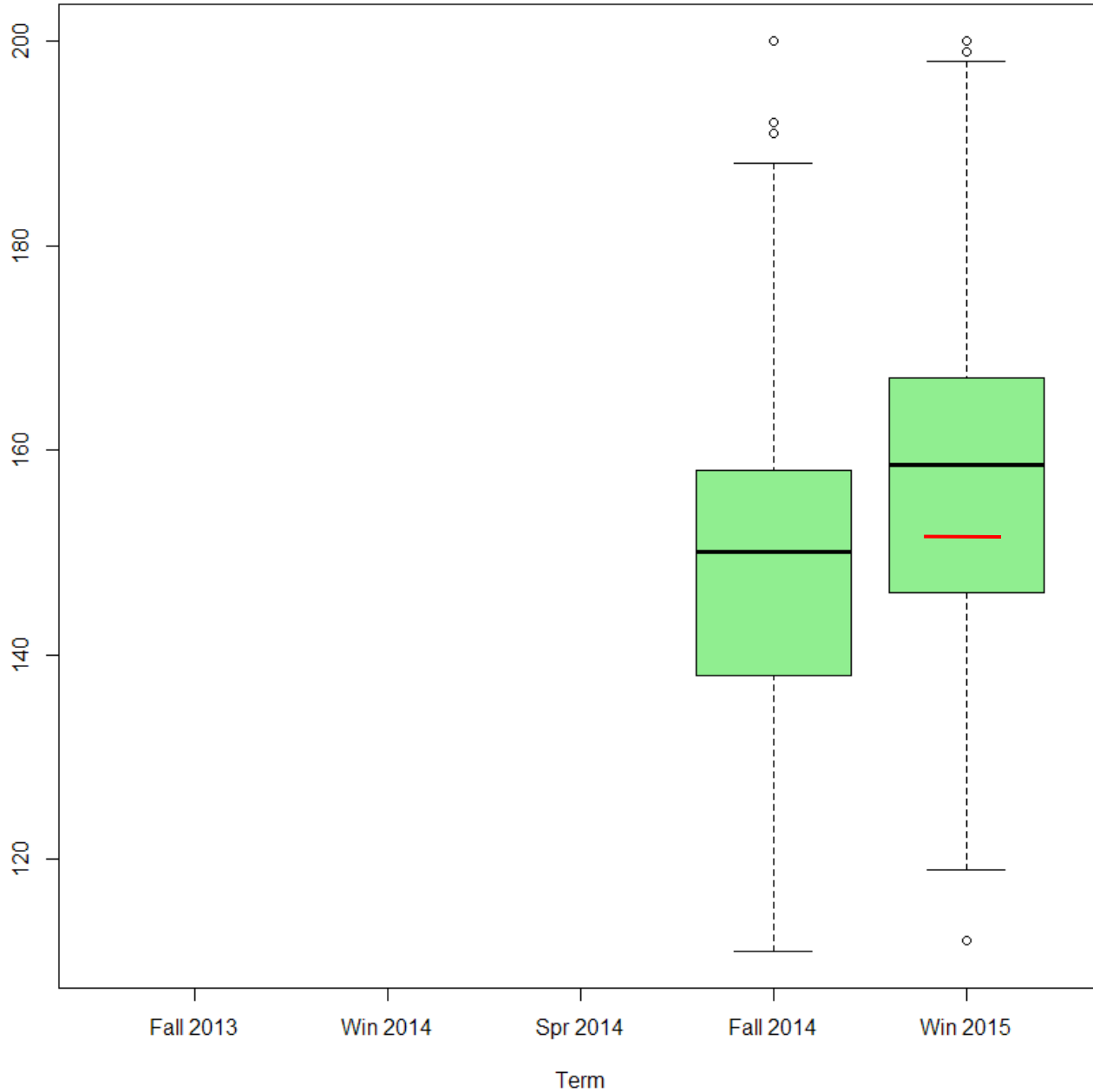# Box and Whisker Plots

- Graphical depiction of scores, displaying range, quartiles, and outliers (Note: quartiles are locally computed, not NWEA percentiles)

- Indication of how scores are spread

- Side-by-side plots allow comparison of data sets

- Outliers represent a single student performing outside the minimum to maximum range.

Outliers
(outside 1.5 times the length of the box from either end)

Maximum
(or 1.5*size of box)

75th Percentile

Median

25th Percentile

Minimum
(or 1.5*size of box)

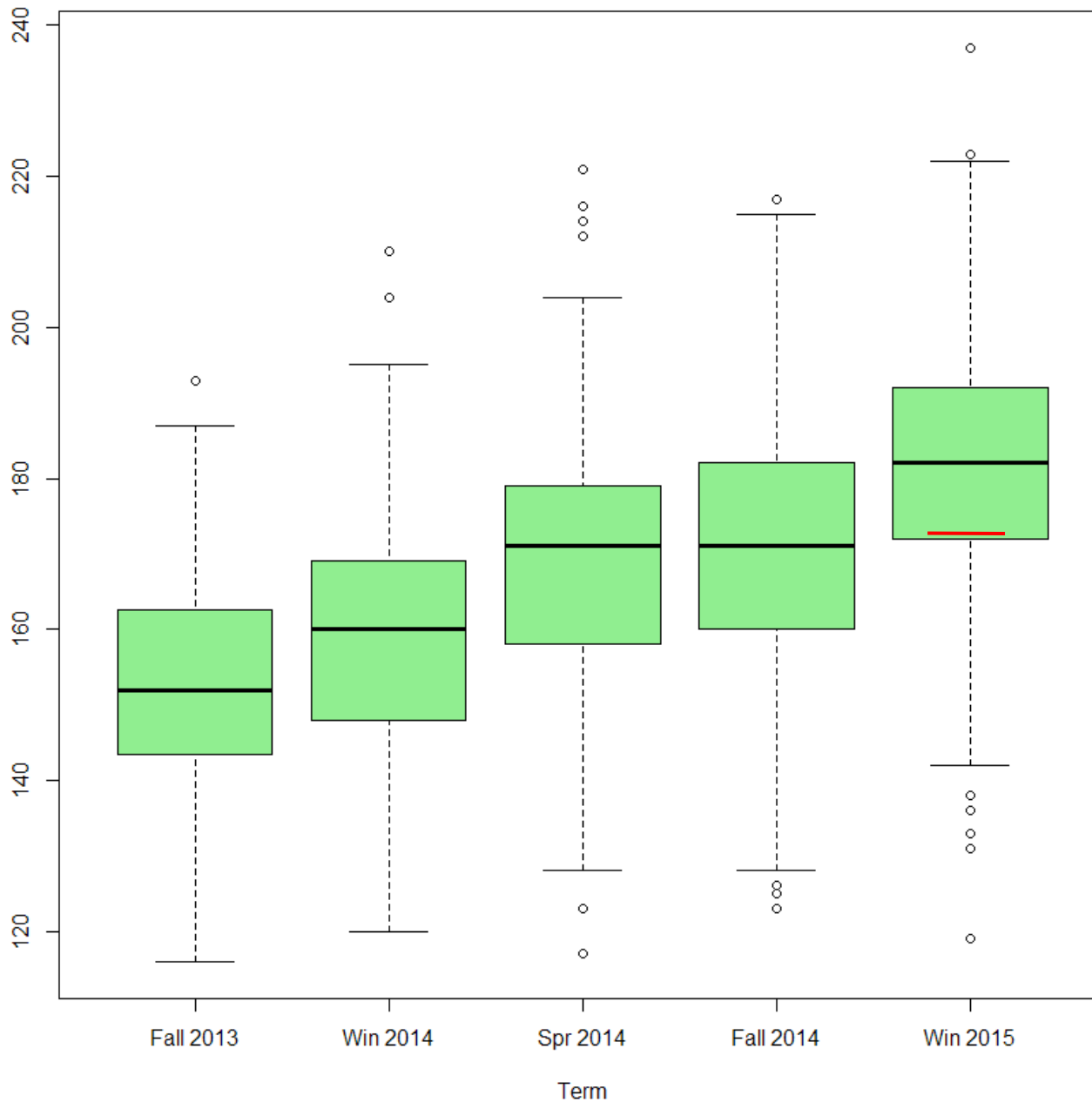MAP Math RIT - Grade KG Cohort

Winter 2015

D41 Median: 158.5

NWEA Median: 151

Term

MAP Math RIT - Grade 1 Cohort

D41 Median: 182

NWEA Median: 173
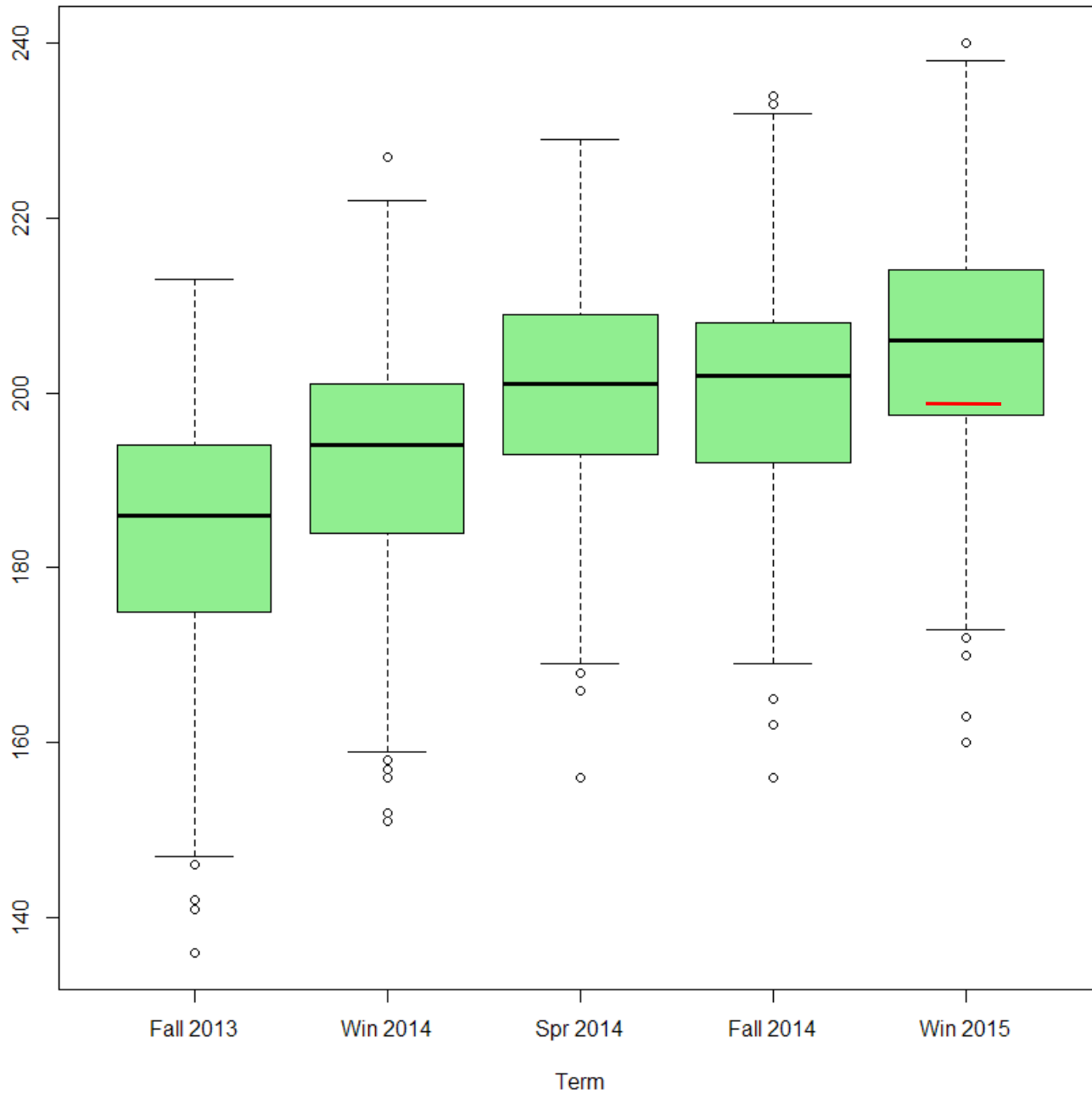
Note: Fall 2013 test given only at Lincoln and Franklin

Term

Fall 2013   Win 2014   Spr 2014   Fall 2014   Win 2015

MAP Math RIT - Grade 2 Cohort
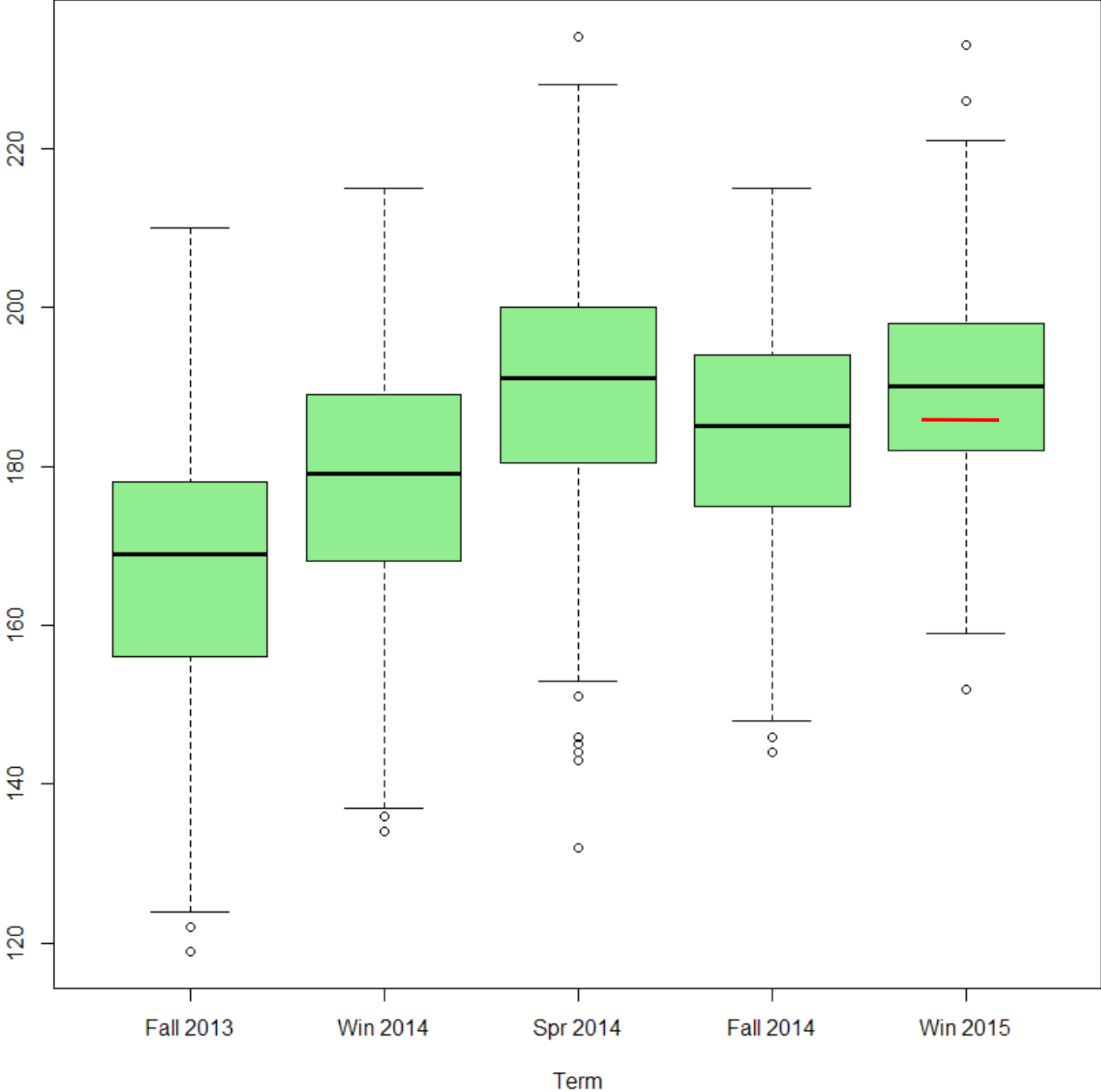
D41 Median: 190
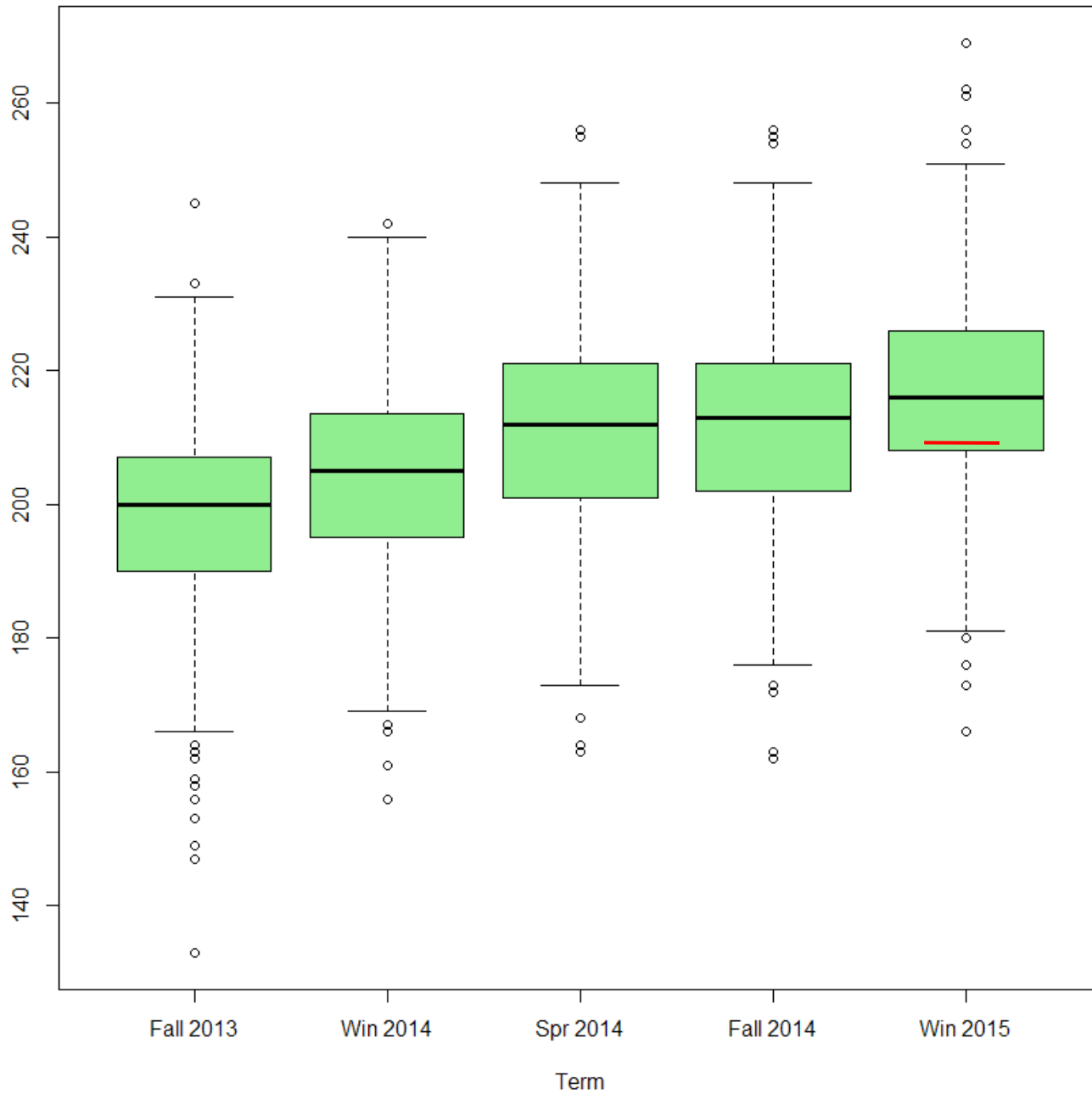
NWEA Median: 186

MAP Math RIT - Grade 3 Cohort

D41 Median: 206

NWEA Median: 199

Term

MAP Math RIT - Grade 4 Cohort

D41 Median: 216

NWEA Median: 209

Term

MAP Math RIT - Grade 5 Cohort
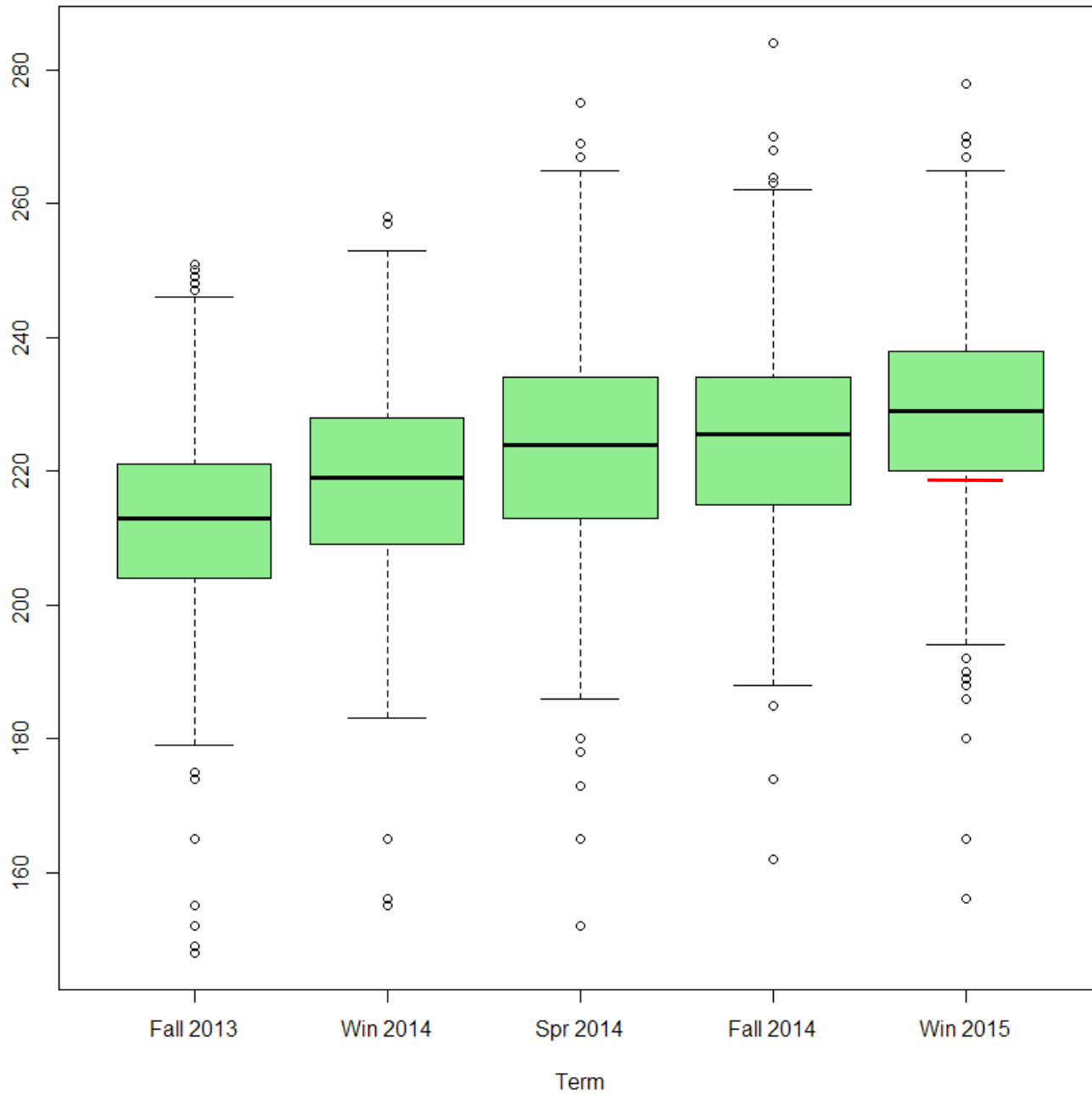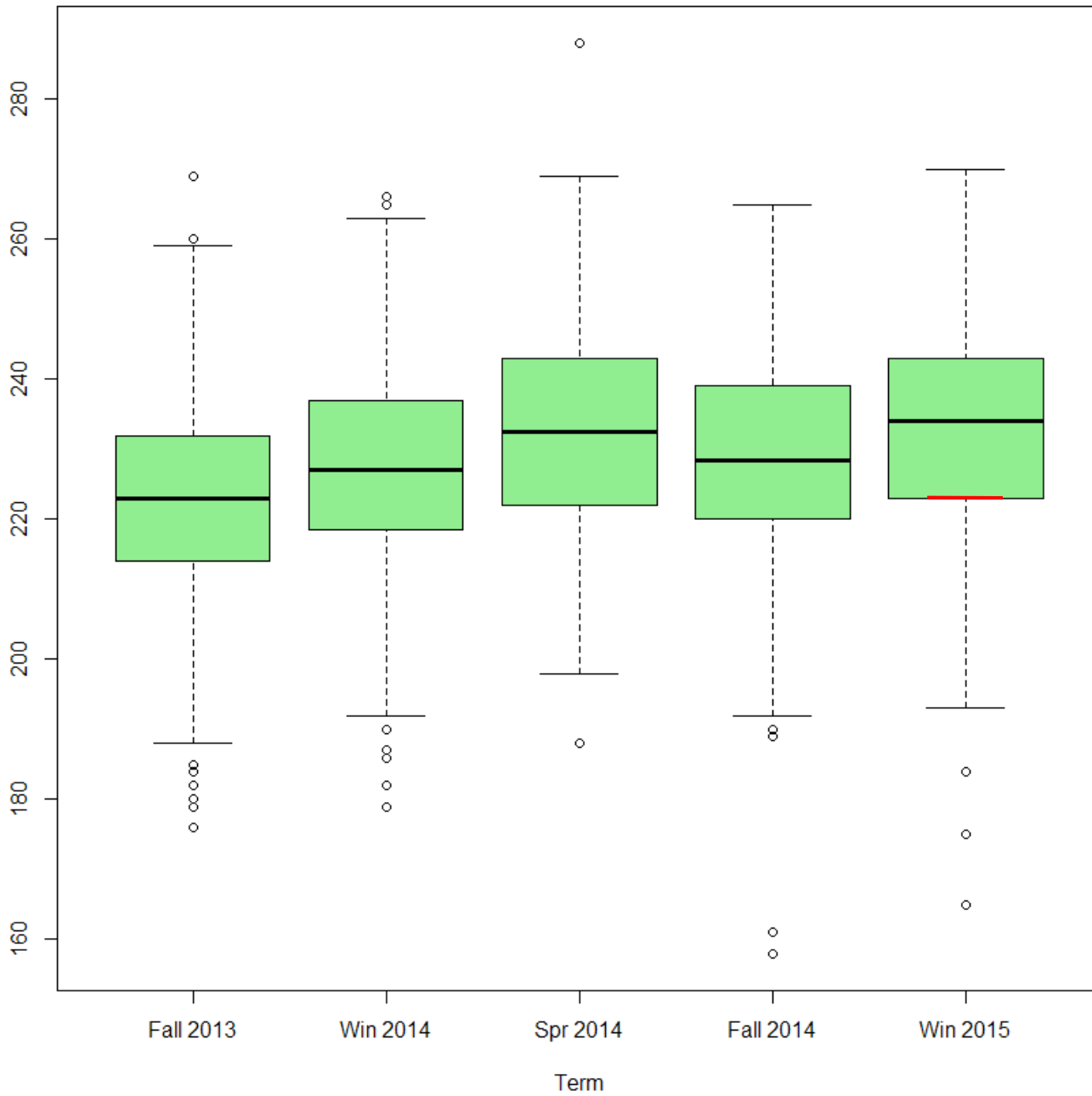
D41 Median: 229
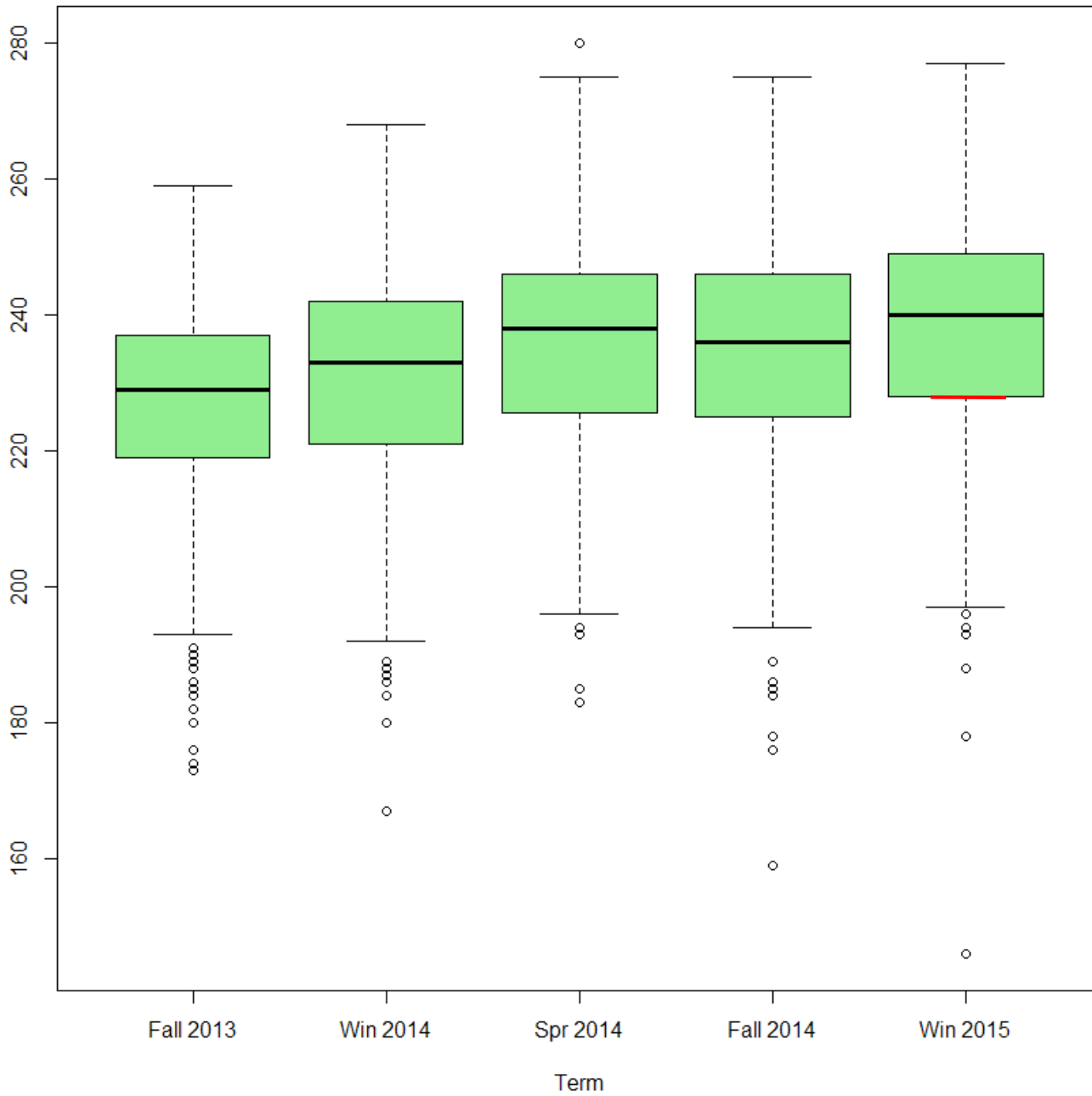
NWEA Median: 218

Term

MAP Math RIT - Grade 6 Cohort
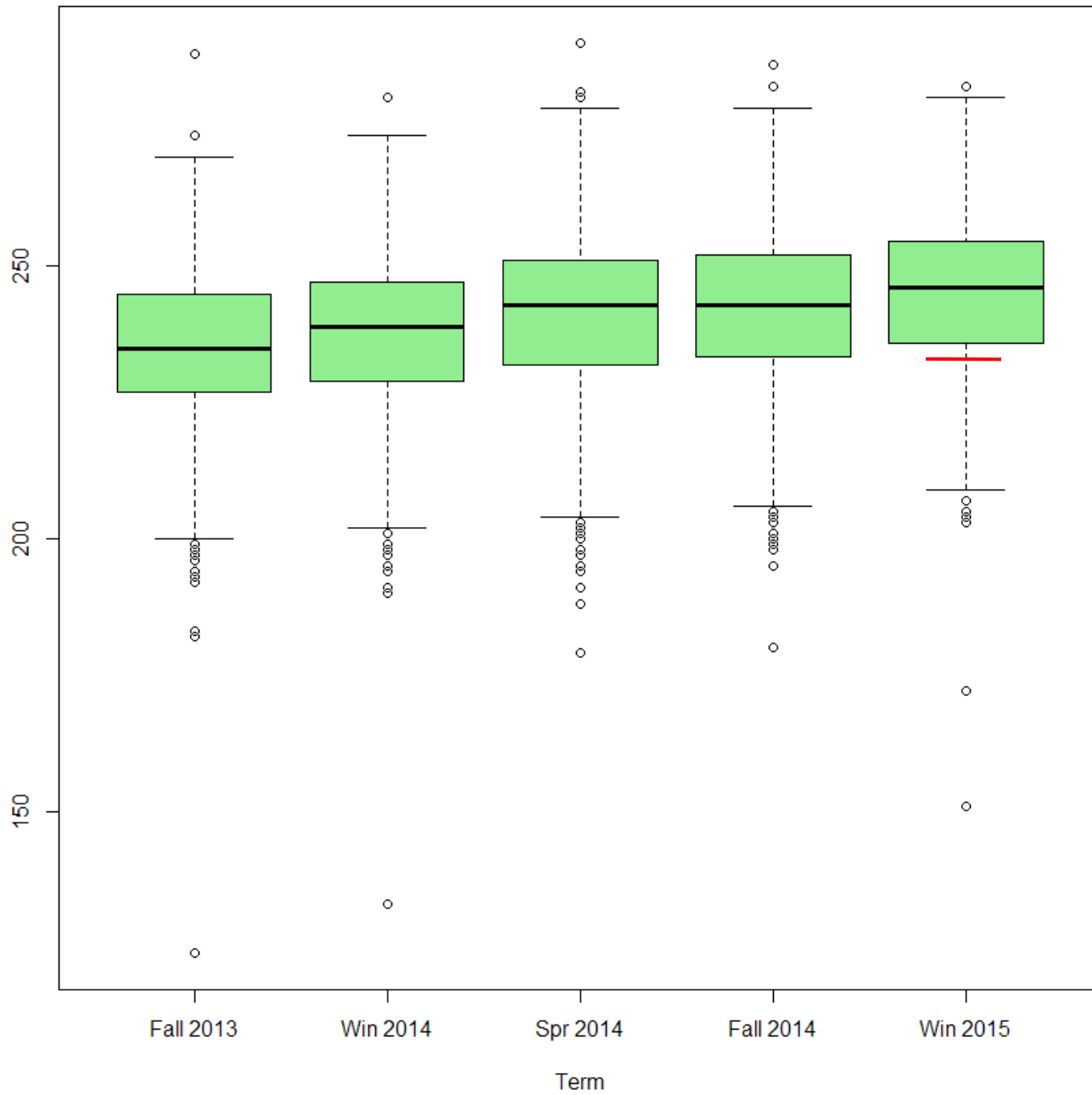
D41 Median: 234

NWEA Median: 223

MAP Math RIT - Grade 7 Cohort
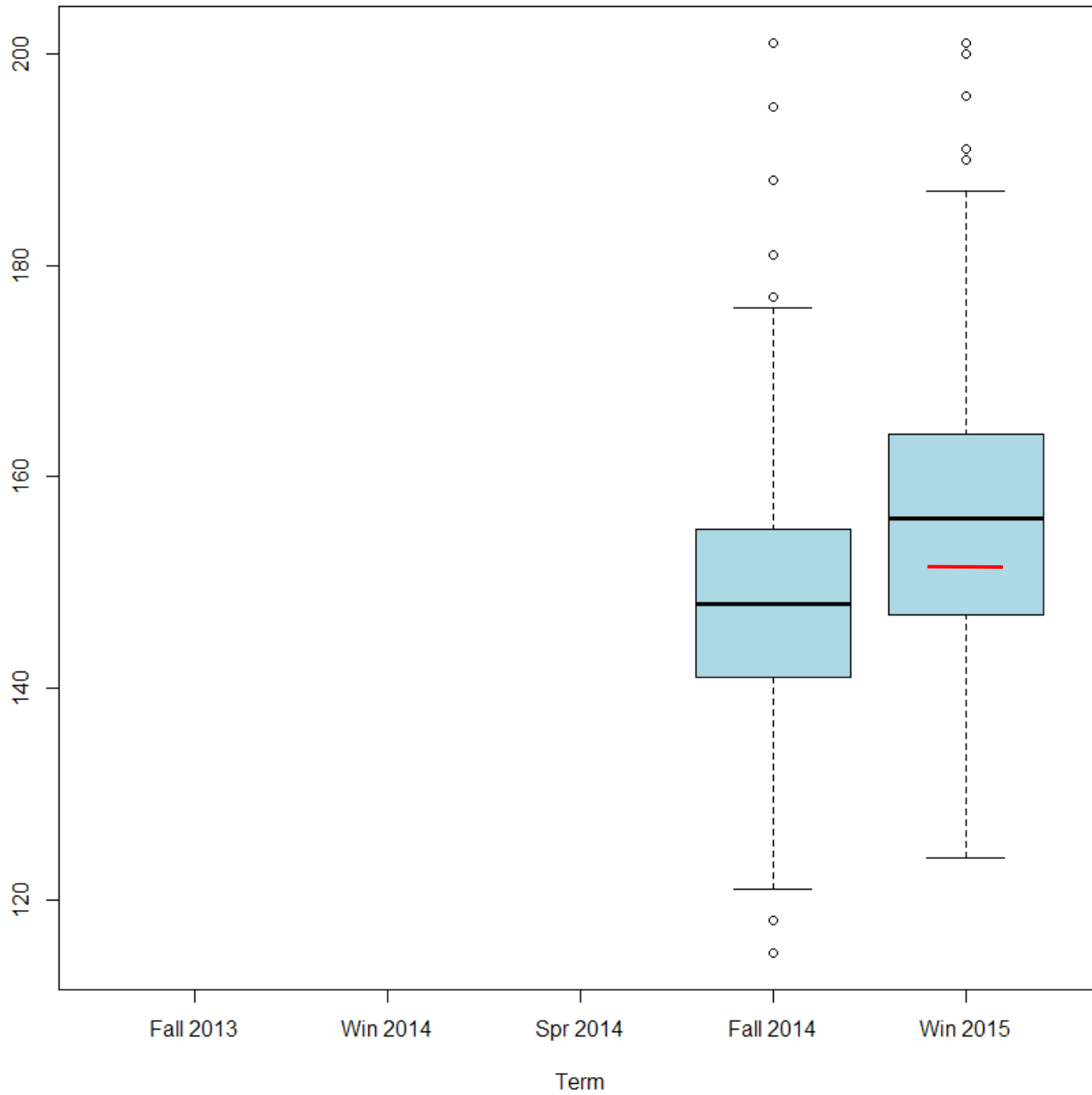
D41 Median: 240

NWEA Median: 228

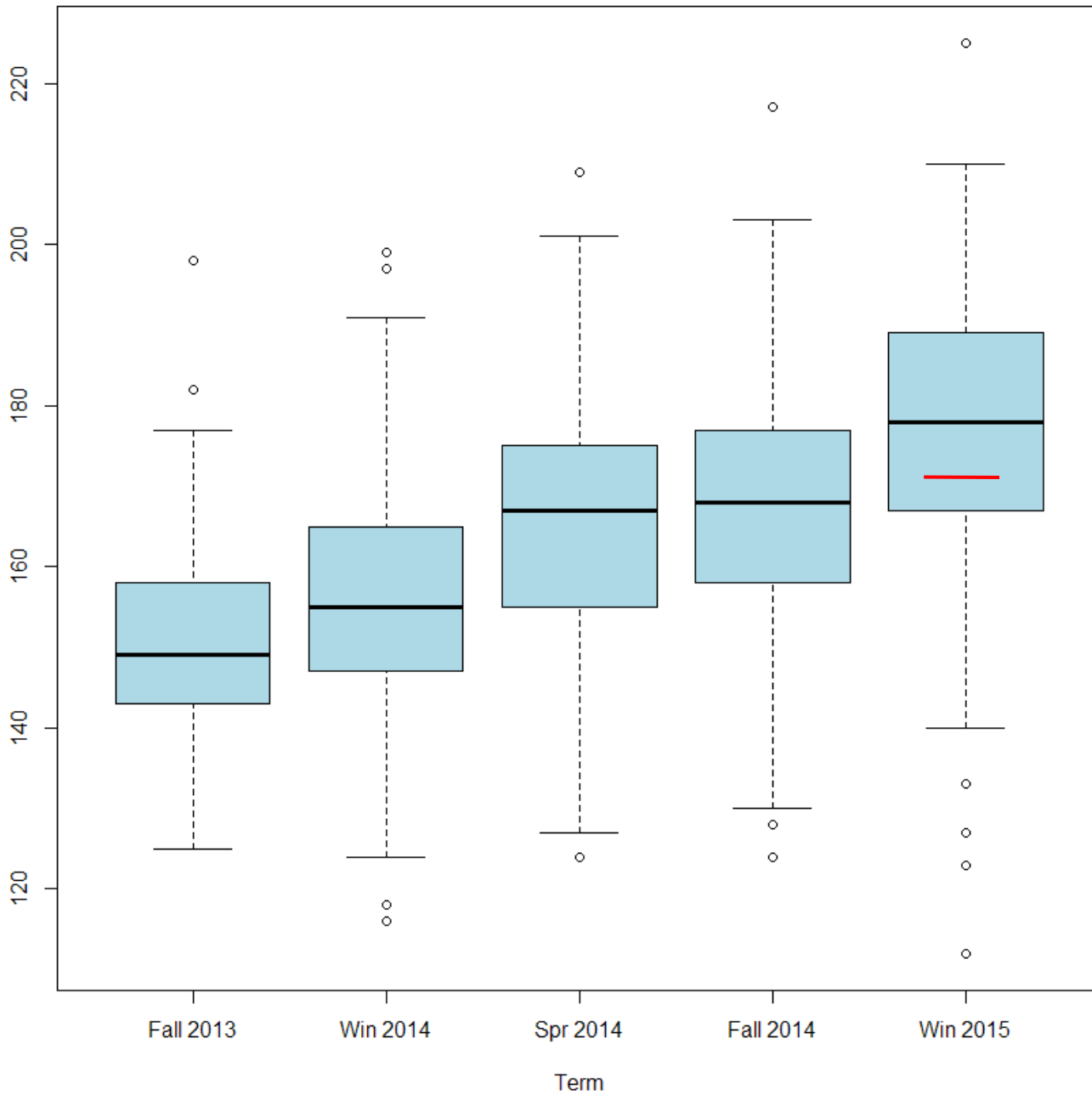MAP Math RIT - Grade 8 Cohort

D41 Median: 246

NWEA Median: 233

MAP Reading RIT - Grade KG Cohort

D41 Median: 156
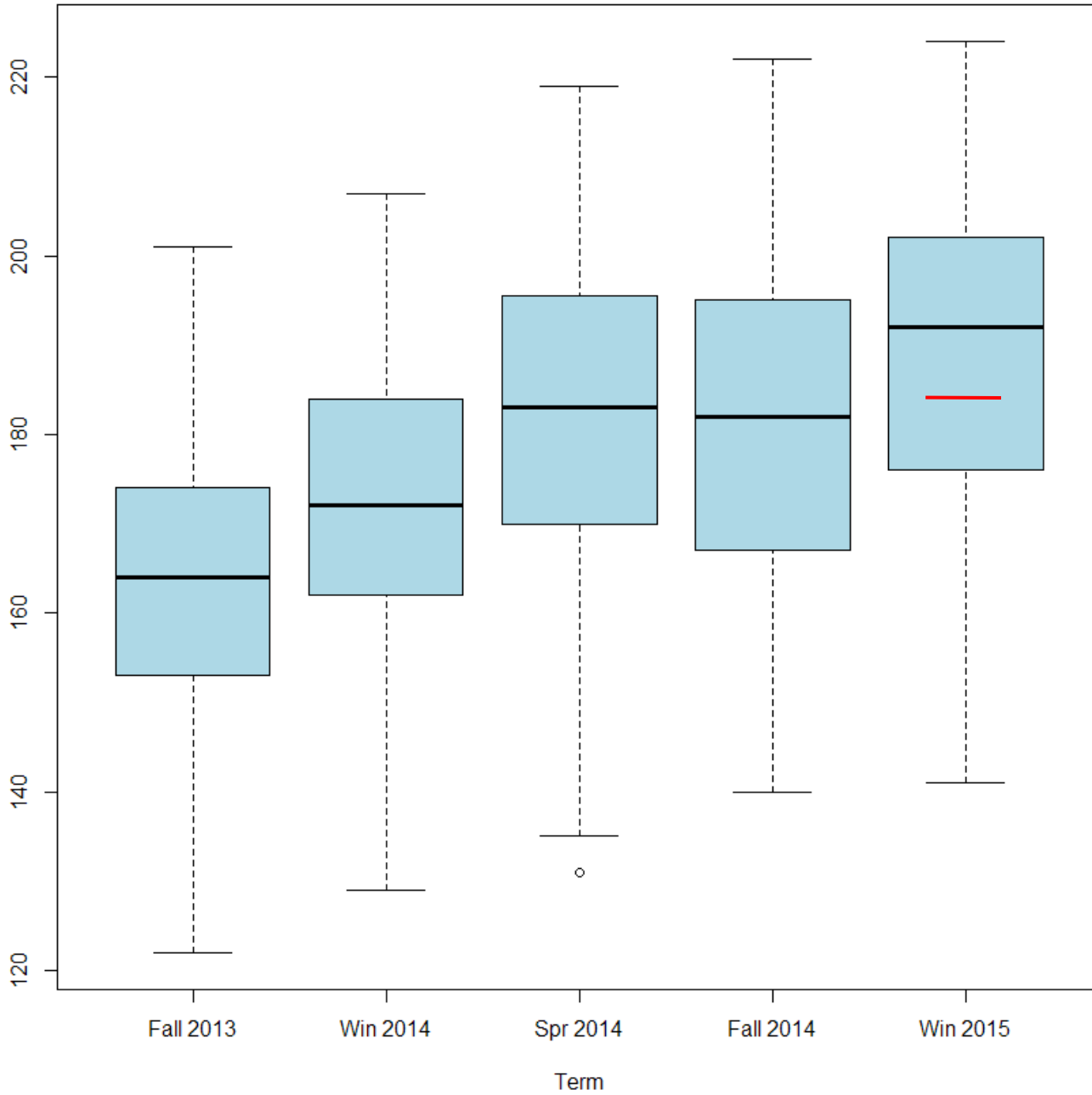
NWEA Median: 151

Term

MAP Reading RIT - Grade 1 Cohort

Note: Fall 2013 test given only at Lincoln and Franklin

D41 Median: 178

NWEA Median: 171

Term
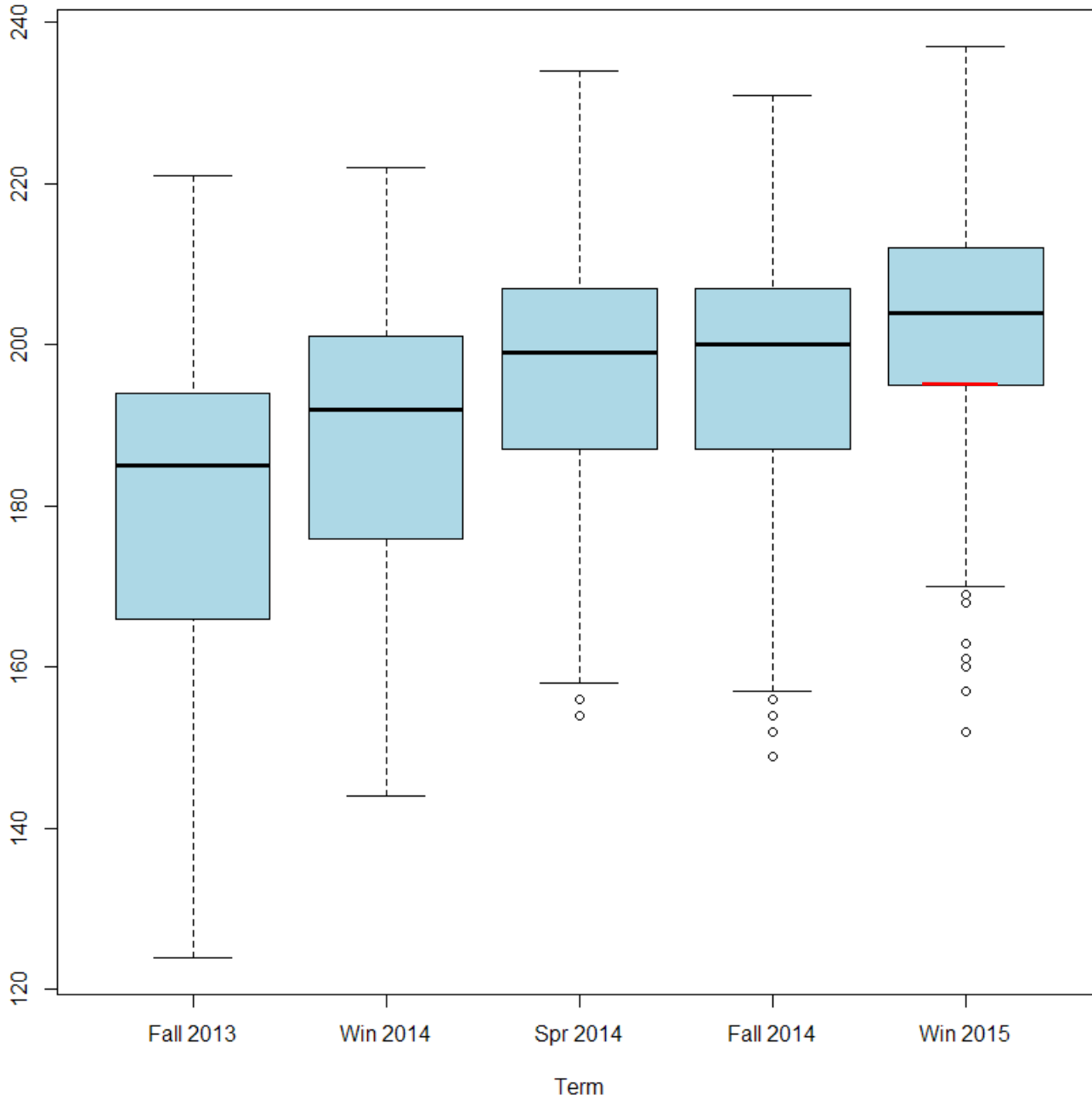
MAP Reading RIT - Grade 2 Cohort

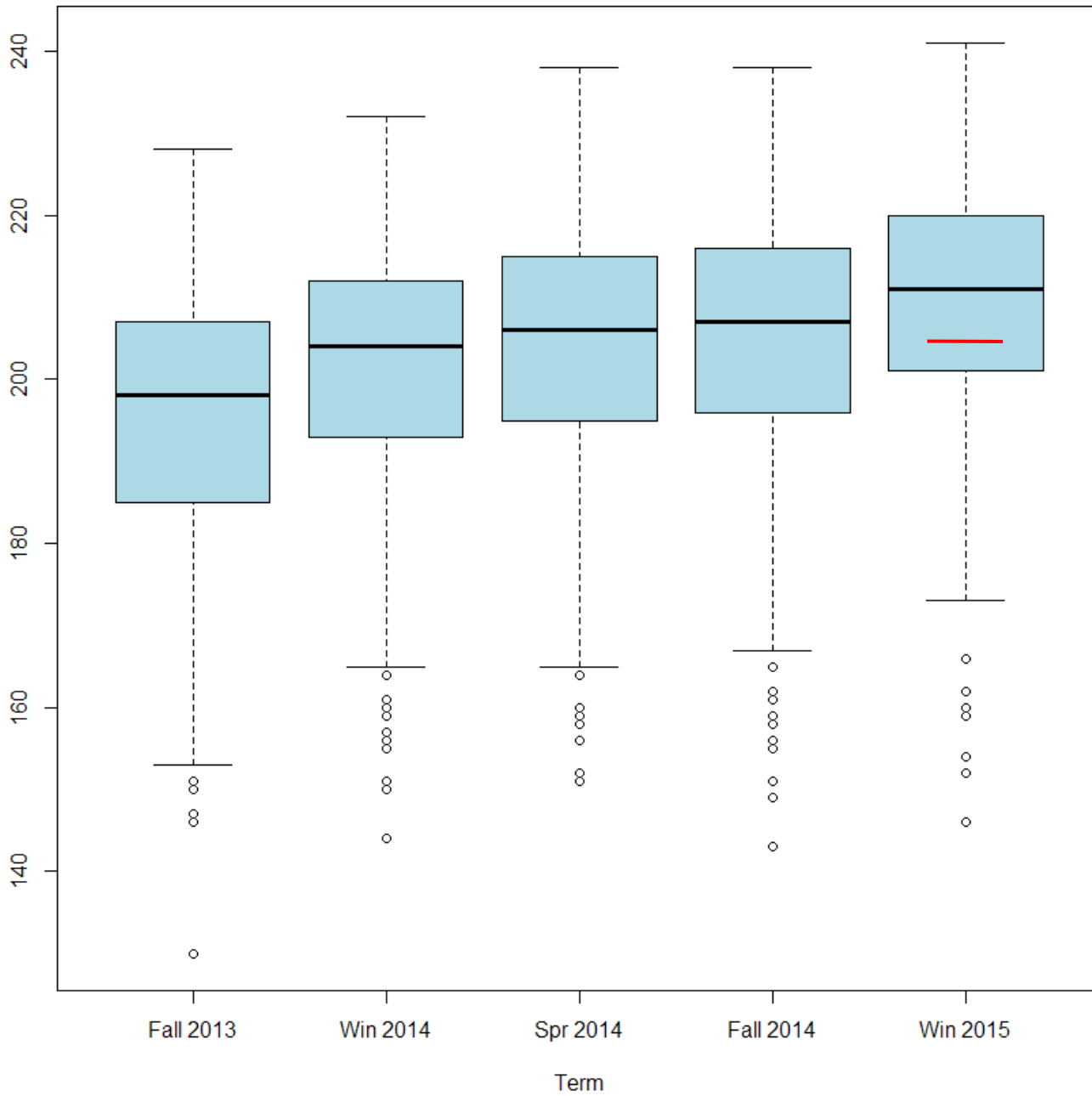D41 Median: 192

NWEA Median: 184

MAP Reading RIT - Grade 3 Cohort

D41 Median: 204

NWEA Median: 195

Term

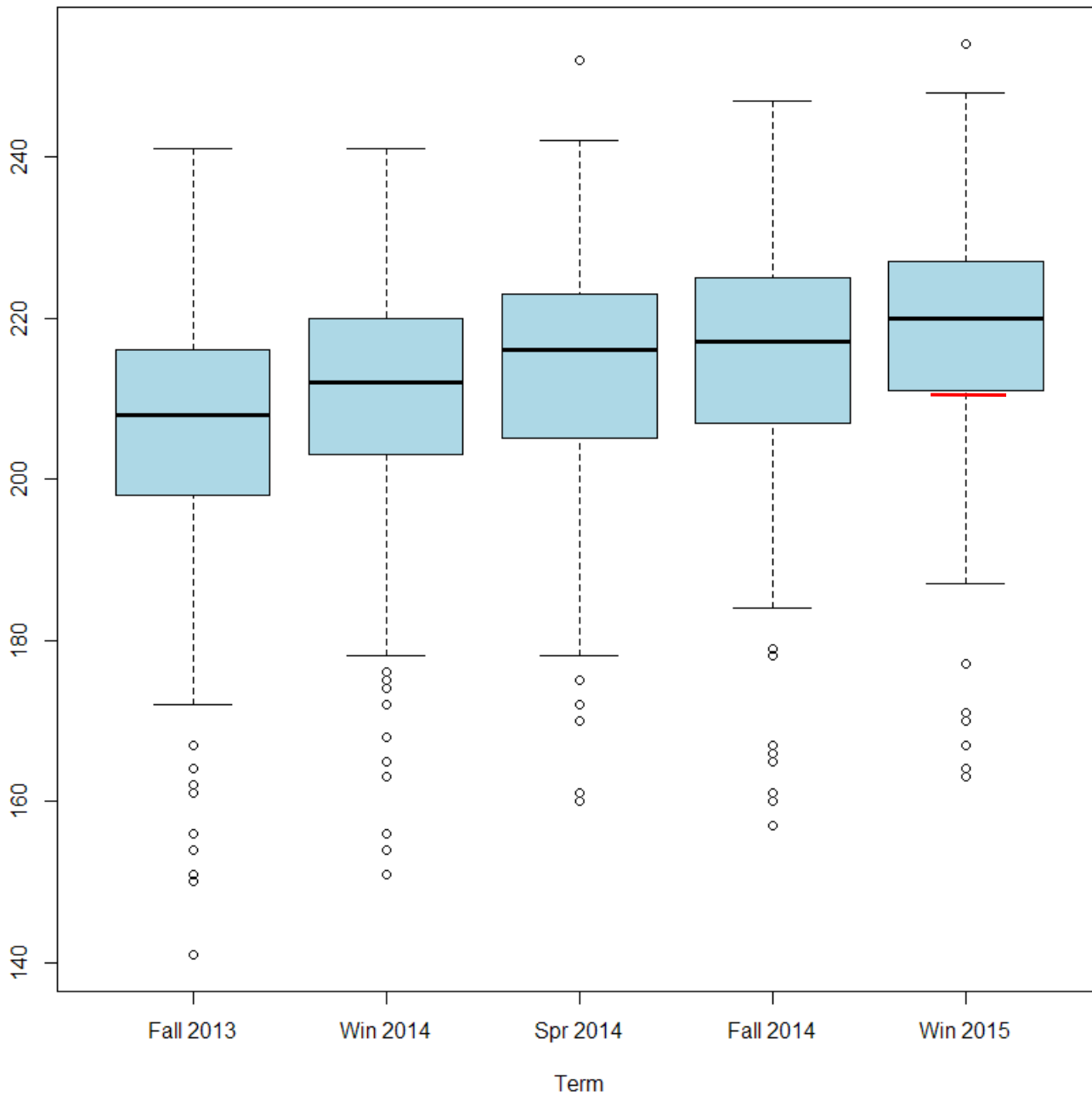**MAP Reading RIT - Grade 4 Cohort**
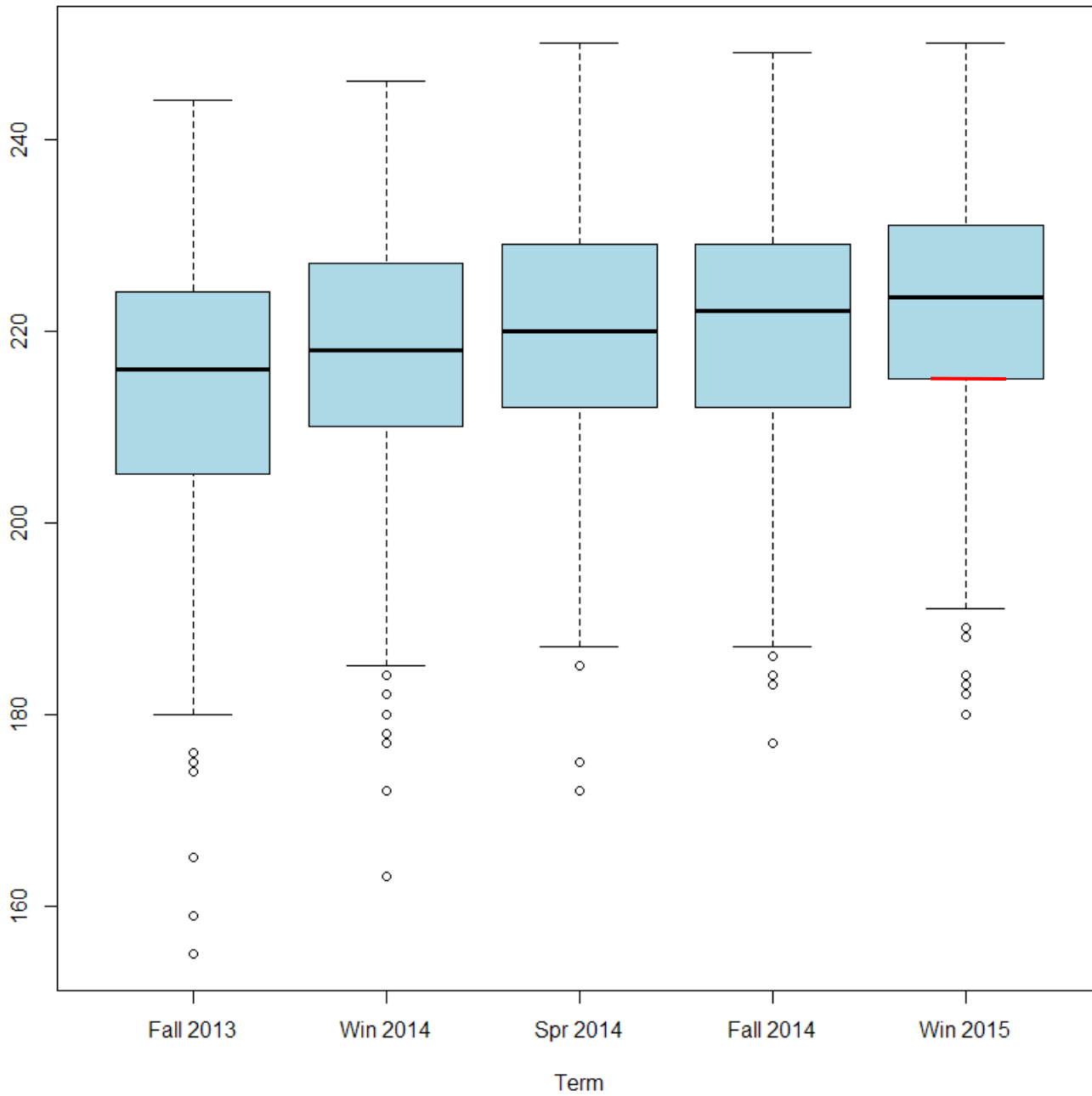
D41 Median: 211

NWEA Median: 204

MAP Reading RIT - Grade 5 Cohort

D41 Median: 220
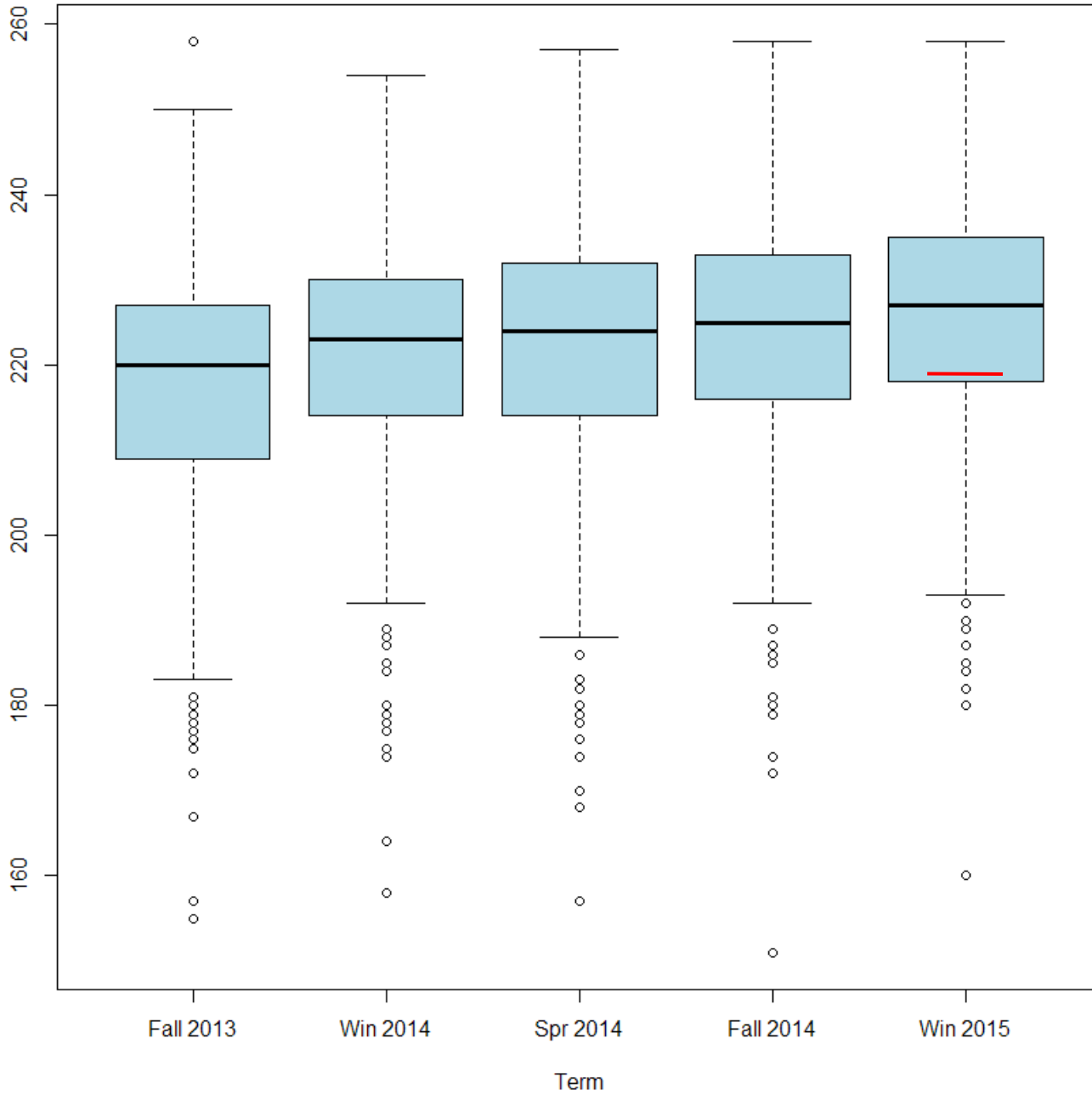
NWEA Median: 210

Term

MAP Reading RIT - Grade 6 Cohort

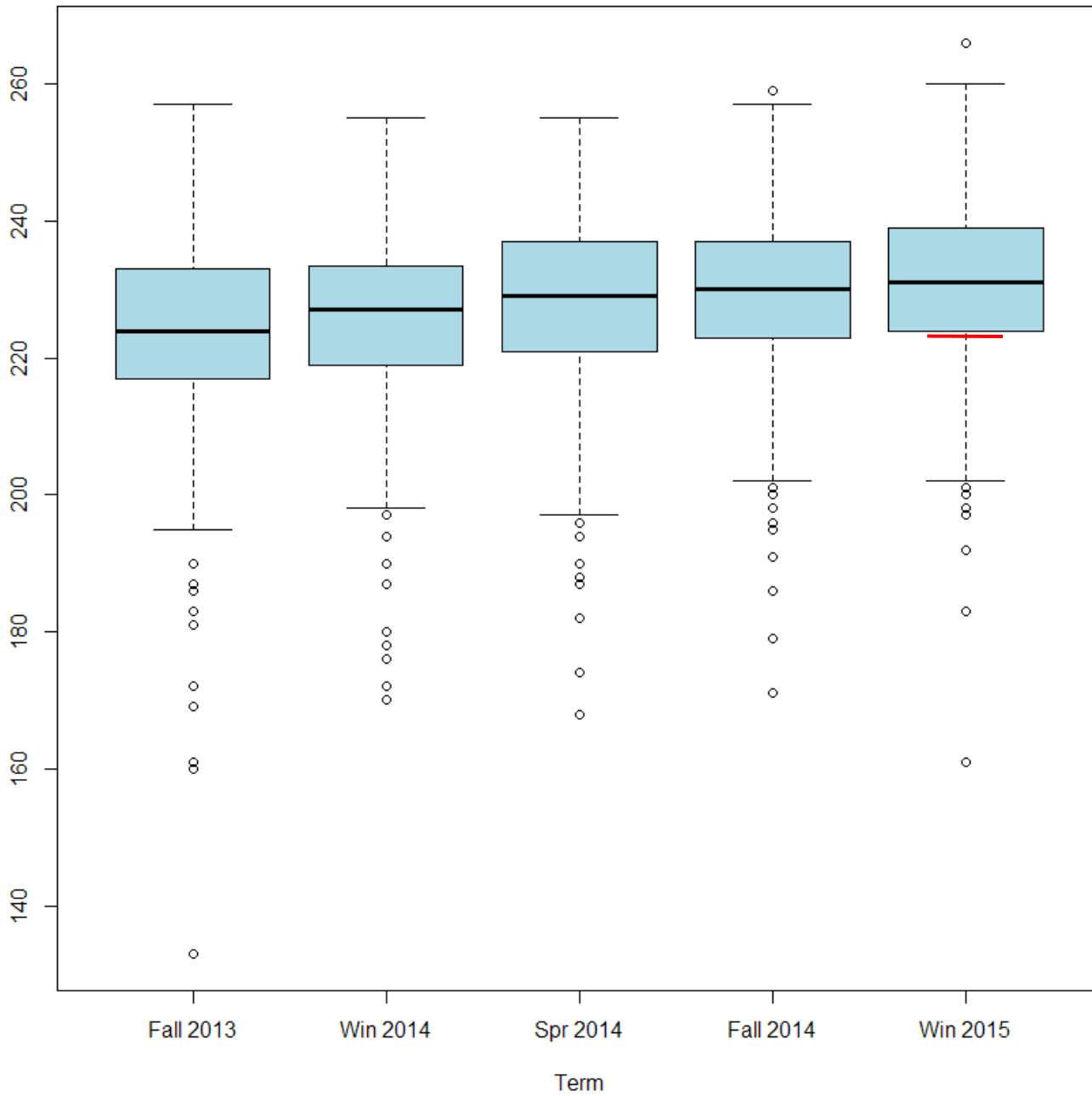D41 Median: 223.5

NWEA Median: 215

Term

MAP Reading RIT - Grade 7 Cohort

D41 Median: 227

NWEA Median: 219

MAP Reading RIT - Grade 8 Cohort

D41 Median: 231

NWEA Median: 222