

The SAS System

SAS Practice 5

Sj2921

Rtf is embedded in this pdf as the final 2 pages

| Obs | ID | Treatment | AGE | Initial weight | STAGE | Oral condition in week 0 | Oral condition in week 2 | Oral condition in week 4 | Oral condition in week 8 |
|-----|----|-----------|-----|----------------|-------|--------------------------|--------------------------|--------------------------|--------------------------|
| 1 | 1 | Placebo | 52 | 124 | 2 | 6 | 6 | 6 | 7 |
| 2 | 5 | Placebo | 77 | 160 | 1 | 9 | 6 | 10 | 9 |
| 3 | 6 | Placebo | 60 | 136.5 | 4 | 7 | 9 | 17 | 19 |
| 4 | 9 | Placebo | 61 | 179.6 | 1 | 6 | 7 | 9 | 3 |
| 5 | 11 | Placebo | 59 | 175.8 | 2 | 6 | 7 | 16 | 13 |

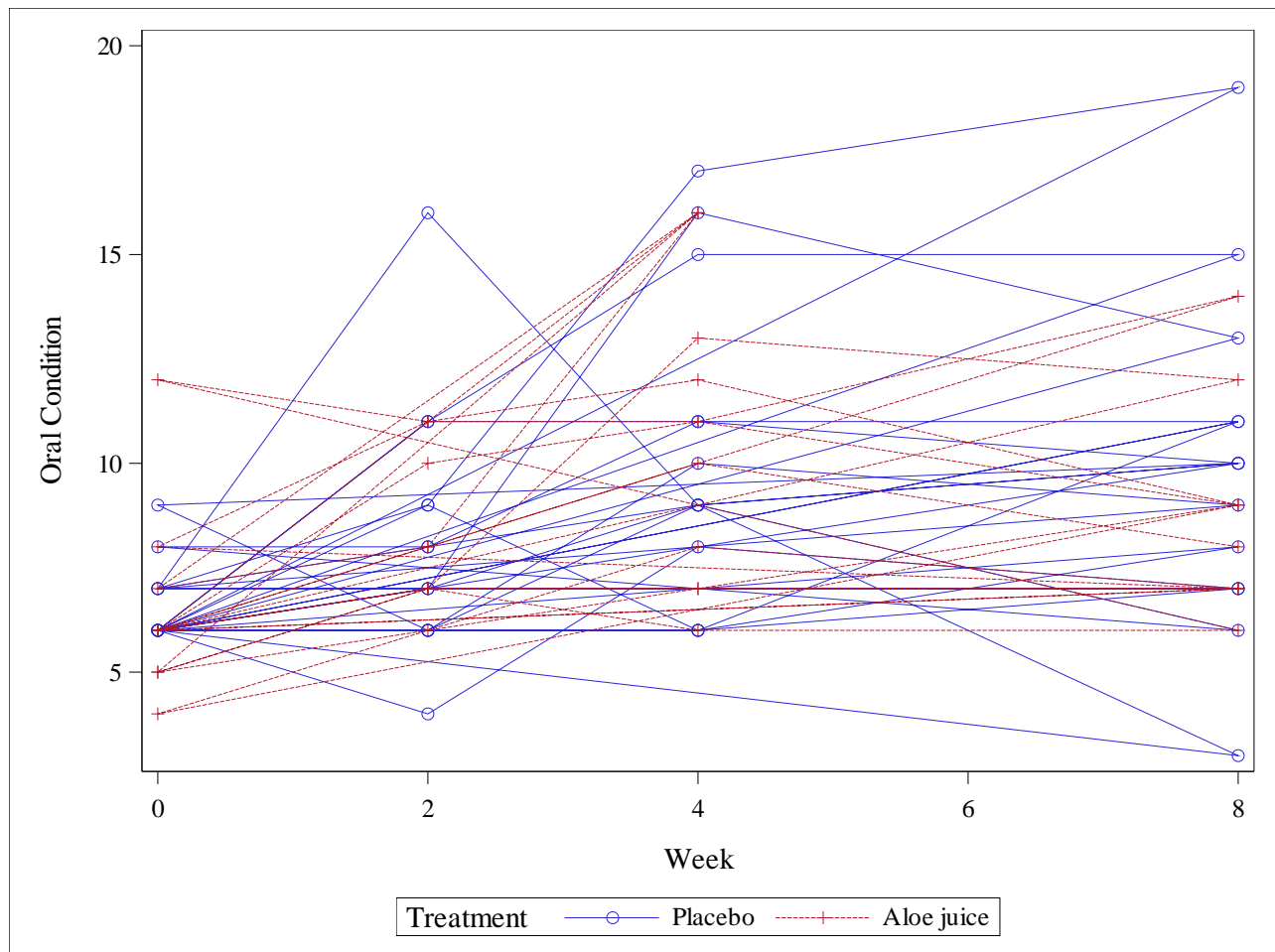
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| Obs | ID | TRT | AGE | WEIGHTIN | STAGE | TOTALC |
|-----|----|---------|-----|----------|-------|--------|
| 1 | 1 | Placebo | 52 | 124 | 2 | 6 |
| 2 | 1 | Placebo | 52 | 124 | 2 | 6 |
| 3 | 1 | Placebo | 52 | 124 | 2 | 6 |
| 4 | 1 | Placebo | 52 | 124 | 2 | 7 |
| 5 | 2 | Placebo | 46 | 163.8 | 2 | 7 |
| 6 | 2 | Placebo | 46 | 163.8 | 2 | 16 |
| 7 | 2 | Placebo | 46 | 163.8 | 2 | 9 |
| 8 | 2 | Placebo | 46 | 163.8 | 2 | 10 |
| 9 | 5 | Placebo | 77 | 160 | 1 | 9 |
| 10 | 5 | Placebo | 77 | 160 | 1 | 6 |

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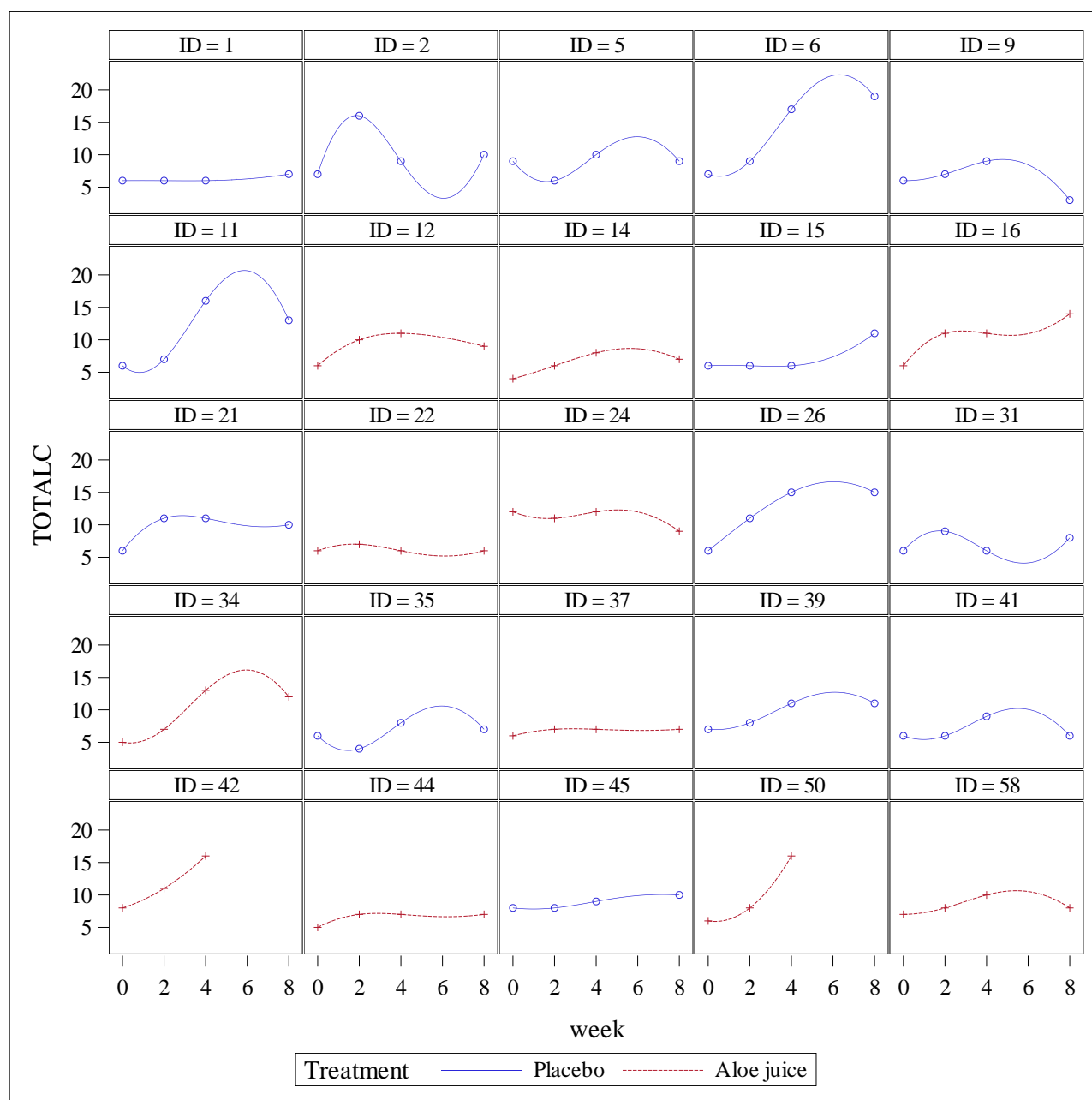
| Obs | ID | week | TRT | AGE | WEIGHTIN | STAGE | TOTALC |
|-----|----|------|---------|-----|----------|-------|--------|
| 1 | 1 | 0 | Placebo | 52 | 124 | 2 | 6 |
| 2 | 1 | 2 | Placebo | 52 | 124 | 2 | 6 |
| 3 | 1 | 4 | Placebo | 52 | 124 | 2 | 6 |
| 4 | 1 | 8 | Placebo | 52 | 124 | 2 | 7 |
| 5 | 2 | 0 | Placebo | 46 | 163.8 | 2 | 7 |
| 6 | 2 | 2 | Placebo | 46 | 163.8 | 2 | 16 |
| 7 | 2 | 4 | Placebo | 46 | 163.8 | 2 | 9 |
| 8 | 2 | 8 | Placebo | 46 | 163.8 | 2 | 10 |
| 9 | 5 | 0 | Placebo | 77 | 160 | 1 | 9 |
| 10 | 5 | 2 | Placebo | 77 | 160 | 1 | 6 |

| Obs | ID | week | TRT | AGE | WEIGHTIN | STAGE | GrandTotal |
|-----|----|------|------------|-----|----------|-------|------------|
| 1 | 1 | 8 | Placebo | 52 | 124 | 2 | 25 |
| 2 | 2 | 8 | Placebo | 46 | 163.8 | 2 | 42 |
| 3 | 5 | 8 | Placebo | 77 | 160 | 1 | 34 |
| 4 | 6 | 8 | Placebo | 60 | 136.5 | 4 | 52 |
| 5 | 9 | 8 | Placebo | 61 | 179.6 | 1 | 25 |
| 6 | 11 | 8 | Placebo | 59 | 175.8 | 2 | 42 |
| 7 | 12 | 8 | Aloe juice | 56 | 227.2 | 4 | 36 |
| 8 | 14 | 8 | Aloe juice | 42 | 162.6 | 1 | 25 |
| 9 | 15 | 8 | Placebo | 69 | 167.6 | 1 | 29 |
| 10 | 16 | 8 | Aloe juice | 44 | 261.4 | 2 | 42 |



From this spaghetti plots, we find that for both Placebo group and Aloe group individuals, their oral condition lifts a little across 8 weeks, but there are some cases presents a contrary trend in that their oral condition score drops a lot and fluctuates during the time. Group comparisons show that the placebo group individuals experienced a more significant increase in their oral condition.

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From this paneled pbline graphs, we may find the heterogeneity among individuals exist within these two groups and intra-group. While for Placebo group, individuals have experienced a sharper change in their oral condition, they have a similar pattern that their score increase till week six or so and then their oral condition score dropped by a little, for Aloe Juice Group, most of cases are relatively stable in their oral condition change with few had had an increase.