Summary - Int 2, Group A

# *Intermidiate 4*

### Full model - 2 parameters

| formula | R.sq | Q.sq | MAE |
| --- | --- | --- | --- |
| Yield ~ Dist.10..42. + Dist.10..7. | 0.6742445 | 0.5350633 | 18.85578 |
| Yield ~ dip\_z + NPA\_9 | 0.6794688 | 0.4767503 | 19.04406 |

***Multicollinearity check***

|  | x |
| --- | --- |
| Dist.10..42. | 1.22154 |
| Dist.10..7. | 1.22154 |

***Scaled Coefficients:***

|  | Estimate | Std. Error | t value | Pr(>|t|) |
| --- | --- | --- | --- | --- |
| (Intercept) | 73.25000 | 5.507643 | 13.299700 | 0.0000000 |
| Dist.10..42. | -26.73239 | 6.317015 | -4.231808 | 0.0014081 |
| Dist.10..7. | -23.98385 | 6.317015 | -3.796706 | 0.0029601 |

### 1 parameters

| formula | R.sq | Q.sq | MAE |
| --- | --- | --- | --- |
| Yield ~ dip\_z | 0.441057 | 0.3564669 | 20.41432 |

***Scaled Coefficients:***

|  | Estimate | Std. Error | t value | Pr(>|t|) |
| --- | --- | --- | --- | --- |
| (Intercept) | 73.25000 | 6.907317 | 10.604696 | 0.0000002 |
| dip\_z | -22.05748 | 7.168062 | -3.077189 | 0.0095879 |