

Figure 1: Gennemsnitlig *ppeak* fordelt på variablene *day*, *time* og *pig*. Sorte linier er gruppen “Control 1”, blå er “Control 1”, mens røde er “Intervention”.

Table 2: Antal, middelværdi og standardafvigelse for hver gruppe.

		n	mean	sd
Pig 1	Control 1, Day, 1, Pre	2	22.000	0.000
	Control 1, Day, 1, Post	17	21.235	0.437
	Control 1, Day, 2, Pre	2	18.500	0.707
	Control 1, Day, 2, Post	19	18.316	0.478
	Control 1, Day, 3, Pre	2	17.000	1.414
	Control 1, Day, 3, Post	18	18.167	0.383
Pig 2	Control 1, Day, 1, Pre	1	21.000	
	Control 1, Day, 1, Post	19	22.263	0.452
	Control 1, Day, 2, Pre	2	20.000	0.000
	Control 1, Day, 2, Post	19	21.000	0.333
	Control 1, Day, 3, Pre	2	17.500	0.707
	Control 1, Day, 3, Post	17	18.647	0.493
Pig 3	Control 2, Day, 1, Pre	1	21.000	
	Control 2, Day, 1, Post	14	22.143	1.027
	Control 2, Day, 2, Pre	1	20.000	
	Control 2, Day, 2, Post	16	20.063	0.443
	Control 2, Day, 3, Pre	2	20.000	0.000
	Control 2, Day, 3, Post	17	20.176	0.393
Pig 4	Control 2, Day, 1, Pre	2	21.000	0.000
	Control 2, Day, 1, Post	17	22.588	0.870
	Control 2, Day, 2, Pre	1	21.000	
	Control 2, Day, 2, Post	15	22.200	1.207
	Control 2, Day, 3, Pre	2	19.500	0.707
	Control 2, Day, 3, Post	18	19.889	0.676
Pig 5	Intervention, Day, 1, Pre	3	21.333	0.577
	Intervention, Day, 1, Post	18	22.056	0.802
	Intervention, Day, 2, Pre	2	19.000	0.000
	Intervention, Day, 2, Post	21	19.429	0.746
	Intervention, Day, 3, Pre	4	20.000	0.000
	Intervention, Day, 3, Post	19	21.632	1.300
Pig 6	Intervention, Day, 1, Pre	3	21.000	0.000
	Intervention, Day, 1, Post	21	22.286	0.717
	Intervention, Day, 2, Pre	1	20.000	
	Intervention, Day, 2, Post	18	20.111	0.323
	Intervention, Day, 3, Pre	2	19.000	0.000
	Intervention, Day, 3, Post	21	19.000	0.000
Pig 7	Intervention, Day, 1, Pre	7	21.000	0.000
	Intervention, Day, 1, Post	20	22.400	0.503
	Intervention, Day, 2, Pre	1	20.000	
	Intervention, Day, 2, Post	20	22.000	1.376
	Intervention, Day, 3, Pre	2	18.500	0.707
	Intervention, Day, 3, Post	21	19.571	1.076
Pig 8	Intervention, Day, 1, Pre	4	19.250	0.500
	Intervention, Day, 1, Post	20	20.900	0.968
	Intervention, Day, 2, Pre	2	18.000	0.000
	Intervention, Day, 2, Post	19	19.632	0.597
	Intervention, Day, 3, Pre	4	16.000	2.160
	Intervention, Day, 3, Post	21	17.381	0.590

Residual plots

De anvendte Stata kommandoer for Figure 1 er angivet nedenfor.

Residualerne opfører sig tilfældigt omkring aksen $y = 0$ og der er ikke tegn på at variationen for residualerne ændrer sig med de fittede værdier.

Bortset fra en enkelt outlier viser QQ-plot, at de standardiserede residualer er normalfordelt.

```
predict fit, fitted
predict res, rstandard
scatter res fit, name(g1,replace)
qnorm res, name(g2,replace)
graph combine g1 g2, name(model_ctrl1, replace)
```

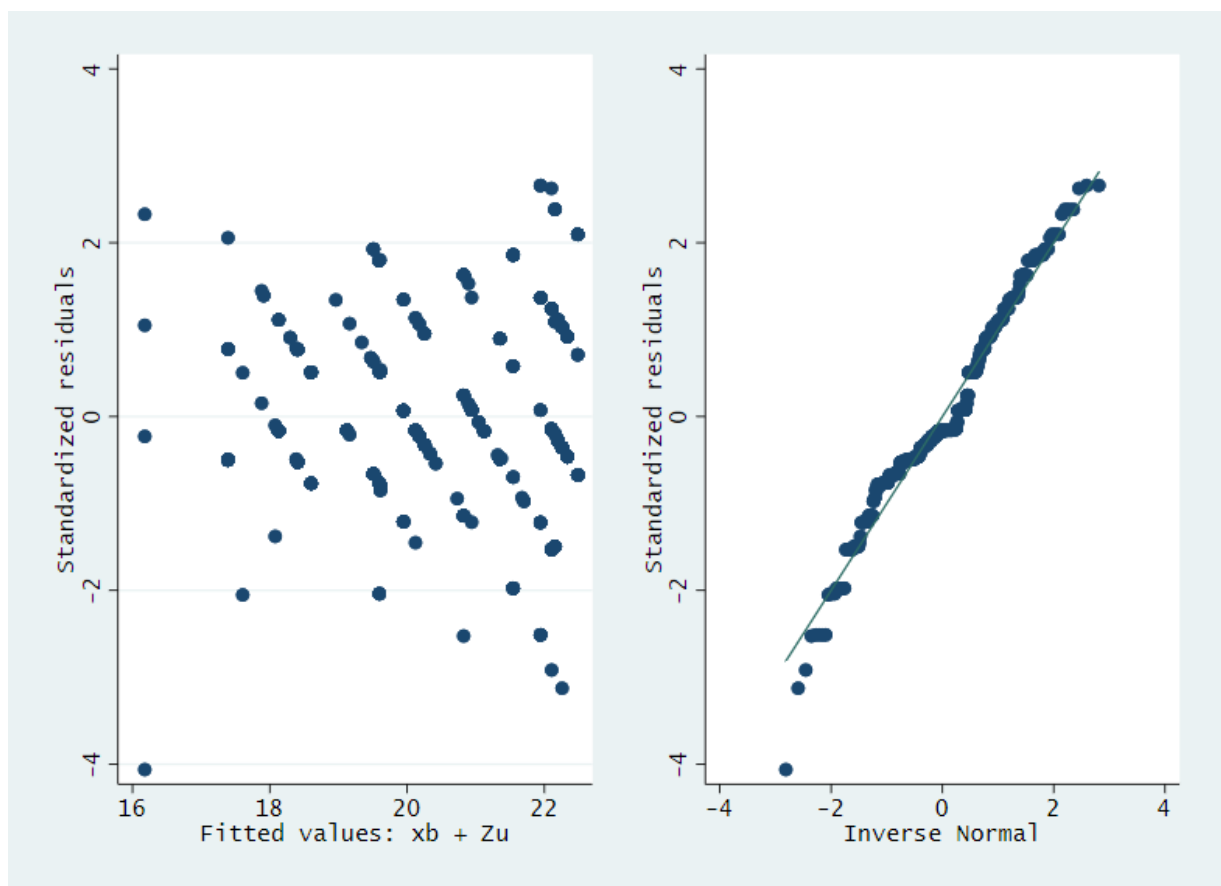


Figure 2: Til venstre standardised residualer mod fittede værdier. Til højre et QQ-plot for standardised residualer.

Denne outlier er:

```
list group pig day time if res < -4
```

```

+-----+
|      group      pig   day   time |
+-----+
479. | Intervention   Pig 8   Day 3   Pre |
+-----+
```