

## Praxis B – Binomiale Regression

### Binomiale Regression bezueglich Stammpatienten

Call:

```
glm(formula = Attended ~ IndirectWaitingPeriod + Metrik1 + Metrik2,  
     family = binomial, data = dataset)
```

Deviance Residuals:

| Min     | 1Q     | Median | 3Q     | Max    |
|---------|--------|--------|--------|--------|
| -3.0413 | 0.2205 | 0.2459 | 0.2665 | 0.9104 |

Coefficients:

|                       | Estimate  | Std. Error | z value | Pr(> z )     |
|-----------------------|-----------|------------|---------|--------------|
| (Intercept)           | 3.187928  | 0.149493   | 21.325  | < 2e-16 ***  |
| IndirectWaitingPeriod | -0.013583 | 0.002712   | -5.009  | 5.48e-07 *** |
| Metrik1               | -2.934739 | 2.271497   | -1.292  | 0.1964       |
| Metrik2               | 3.729924  | 2.256086   | 1.653   | 0.0983 .     |

---

Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for binomial family taken to be 1)

Null deviance: 2394.5 on 8299 degrees of freedom  
Residual deviance: 2339.0 on 8296 degrees of freedom  
AIC: 2347

Number of Fisher Scoring iterations: 6

## Praxis B – Binomiale Regression

### **Binomiale Regression bezueglich Nicht–Stammpatienten**

```
[1] "Keine Daten verfuegbar"
```

## Praxis B – Binomiale Regression

### Binomiale Regression bezueglich allen Patienten

Call:

```
glm(formula = Attended ~ IndirectWaitingPeriod + Metrik1 + Metrik2,  
     family = binomial, data = dataset)
```

Deviance Residuals:

| Min     | 1Q     | Median | 3Q     | Max    |
|---------|--------|--------|--------|--------|
| -3.0413 | 0.2205 | 0.2459 | 0.2665 | 0.9104 |

Coefficients:

|                       | Estimate  | Std. Error | z value | Pr(> z )     |
|-----------------------|-----------|------------|---------|--------------|
| (Intercept)           | 3.187928  | 0.149493   | 21.325  | < 2e-16 ***  |
| IndirectWaitingPeriod | -0.013583 | 0.002712   | -5.009  | 5.48e-07 *** |
| Metrik1               | -2.934739 | 2.271497   | -1.292  | 0.1964       |
| Metrik2               | 3.729924  | 2.256086   | 1.653   | 0.0983 .     |

---

Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for binomial family taken to be 1)

Null deviance: 2394.5 on 8299 degrees of freedom  
Residual deviance: 2339.0 on 8296 degrees of freedom  
AIC: 2347

Number of Fisher Scoring iterations: 6

# Praxis IML – Binomiale Regression

## Binomiale Regression bezueglich Stammpatienten

```
Call:
glm(formula = Attended ~ IndirectWaitingPeriod + Metrik1 + Metrik2,
     family = binomial, data = dataset)

Deviance Residuals:
    Min       1Q   Median       3Q      Max
-2.8865   0.2560   0.2908   0.3210   0.4480

Coefficients:
                Estimate Std. Error z value Pr(>|z|)
(Intercept)      2.650850   0.155816  17.013 < 2e-16 ***
IndirectWaitingPeriod -0.001190   0.001285  -0.926  0.35422
Metrik1          -4.626344   1.434756  -3.224  0.00126 **
Metrik2           5.501748   1.387678   3.965 7.35e-05 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for binomial family taken to be 1)

    Null deviance: 3536.0  on 10012  degrees of freedom
Residual deviance: 3491.8  on 10009  degrees of freedom
AIC: 3499.8

Number of Fisher Scoring iterations: 6
```

# Praxis IML – Binomiale Regression

## Binomiale Regression bezueglich Stammpatienten bei Arzt 1

```
Call:
glm(formula = Attended ~ IndirectWaitingPeriod + Metrik1 + Metrik2,
     family = binomial, data = dataset)

Deviance Residuals:
    Min       1Q   Median       3Q      Max
-2.8548   0.2369   0.2716   0.3027   0.3715

Coefficients:
                Estimate Std. Error z value Pr(>|z|)
(Intercept)      2.639041    0.309997   8.513  <2e-16 ***
IndirectWaitingPeriod 0.000891    0.002554   0.349   0.7272
Metrik1          -5.884569    2.860388  -2.057   0.0397 *
Metrik2           6.824896    2.786913   2.449   0.0143 *
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for binomial family taken to be 1)

    Null deviance: 1035.4  on 3271  degrees of freedom
Residual deviance: 1024.4  on 3268  degrees of freedom
AIC: 1032.4

Number of Fisher Scoring iterations: 6
```

# Praxis IML – Binomiale Regression

## Binomiale Regression bezueglich Stammpatienten bei Arzt 2

```
Call:
glm(formula = Attended ~ IndirectWaitingPeriod + Metrik1 + Metrik2,
    family = binomial, data = dataset)

Deviance Residuals:
    Min       1Q   Median       3Q      Max
-2.9232   0.2437   0.2835   0.3201   0.4356

Coefficients:
                Estimate Std. Error z value Pr(>|z|)
(Intercept)      2.4872773   0.2901429   8.573  <2e-16 ***
IndirectWaitingPeriod -0.0006934   0.0023420  -0.296   0.7672
Metrik1          -3.4569156   2.4248923  -1.426   0.1540
Metrik2           4.8718050   2.3147510   2.105   0.0353 *
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for binomial family taken to be 1)

    Null deviance: 1124.6  on 3265  degrees of freedom
Residual deviance: 1105.0  on 3262  degrees of freedom
AIC: 1113

Number of Fisher Scoring iterations: 6
```

# Praxis IML – Binomiale Regression

## Binomiale Regression bezueglich Stammpatienten bei Arzt 3

```
Call:
glm(formula = Attended ~ IndirectWaitingPeriod + Metrik1 + Metrik2,
     family = binomial, data = dataset)

Deviance Residuals:
    Min       1Q   Median       3Q      Max
-2.7768   0.3008   0.3327   0.3591   0.5524

Coefficients:
                Estimate Std. Error z value Pr(>|z|)
(Intercept)      2.498293   0.281772   8.866  <2e-16 ***
IndirectWaitingPeriod -0.002005   0.002167  -0.925   0.3548
Metrik1          -4.902507   2.532906  -1.936   0.0529 .
Metrik2           5.573492   2.450922   2.274   0.0230 *
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for binomial family taken to be 1)

    Null deviance: 1144.8  on 2677  degrees of freedom
Residual deviance: 1129.9  on 2674  degrees of freedom
AIC: 1137.9

Number of Fisher Scoring iterations: 6
```

# Praxis IML – Binomiale Regression

## Binomiale Regression bezueglich Stammpatienten bei Arzt 4

```
Call:
glm(formula = Attended ~ IndirectWaitingPeriod + Metrik1 + Metrik2,
     family = binomial, data = dataset)

Deviance Residuals:
    Min       1Q   Median       3Q      Max
-2.9049   0.2125   0.2468   0.2755   0.3086

Coefficients:
                Estimate Std. Error z value Pr(>|z|)
(Intercept)      3.0207894   0.5036398    5.998  2e-09 ***
IndirectWaitingPeriod 0.0005547   0.0082217    0.067   0.946
Metrik1           0.3415670   4.4171771    0.077   0.938
Metrik2           0.8633395   4.2243221    0.204   0.838
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for binomial family taken to be 1)

    Null deviance: 215.4  on 796  degrees of freedom
Residual deviance: 213.4  on 793  degrees of freedom
AIC: 221.4

Number of Fisher Scoring iterations: 6
```



# Praxis IML – Binomiale Regression

## Binomiale Regression bezueglich Nicht–Stammpatienten

```
Call:
glm(formula = Attended ~ IndirectWaitingPeriod + Metrik1 + Metrik2,
    family = binomial, data = dataset)

Deviance Residuals:
    Min       1Q   Median       3Q      Max
-3.0600   0.3014   0.3658   0.4312   1.1813

Coefficients:
                Estimate Std. Error z value Pr(>|z|)
(Intercept)      2.249846    0.203459   11.058  <2e-16 ***
IndirectWaitingPeriod -0.012568    0.002753   -4.565    5e-06 ***
Metrik1          -2.276571    1.363763   -1.669    0.0951 .
Metrik2           3.295067    1.279828    2.575    0.0100 *
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for binomial family taken to be 1)

    Null deviance: 3111.1  on 5837  degrees of freedom
Residual deviance: 3014.4  on 5834  degrees of freedom
AIC: 3022.4

Number of Fisher Scoring iterations: 5
```

## Praxis IML – Binomiale Regression

### Binomiale Regression bezüglich Nicht–Stammpatienten bei Arzt 1

Call:

```
glm(formula = Attended ~ IndirectWaitingPeriod + Metrik1 + Metrik2,  
     family = binomial, data = dataset)
```

Deviance Residuals:

| Min     | 1Q     | Median | 3Q     | Max    |
|---------|--------|--------|--------|--------|
| -2.8151 | 0.2636 | 0.3141 | 0.3767 | 0.6663 |

Coefficients:

|                       | Estimate  | Std. Error | z value | Pr(> z ) |     |
|-----------------------|-----------|------------|---------|----------|-----|
| (Intercept)           | 2.007974  | 0.474106   | 4.235   | 2.28e-05 | *** |
| IndirectWaitingPeriod | -0.004095 | 0.006363   | -0.644  | 0.5199   |     |
| Metrik1               | -4.518005 | 3.440368   | -1.313  | 0.1891   |     |
| Metrik2               | 5.892564  | 3.282540   | 1.795   | 0.0726   | .   |

---

Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for binomial family taken to be 1)

Null deviance: 561.91 on 1296 degrees of freedom  
Residual deviance: 546.30 on 1293 degrees of freedom  
AIC: 554.3

Number of Fisher Scoring iterations: 6

# Praxis IML – Binomiale Regression

## Binomiale Regression bezueglich Nicht–Stammpatienten bei Arzt 2

```
Call:
glm(formula = Attended ~ IndirectWaitingPeriod + Metrik1 + Metrik2,
    family = binomial, data = dataset)

Deviance Residuals:
    Min       1Q   Median       3Q      Max
-2.6707   0.2933   0.3620   0.4366   0.8104

Coefficients:
                Estimate Std. Error z value Pr(>|z|)
(Intercept)      2.355432    0.375579   6.271 3.58e-10 ***
IndirectWaitingPeriod -0.015922    0.005194  -3.066  0.00217 **
Metrik1           0.878476    2.066622   0.425  0.67078
Metrik2           0.422969    1.875875   0.225  0.82161
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for binomial family taken to be 1)

    Null deviance: 1002.83  on 1855  degrees of freedom
Residual deviance:  965.28  on 1852  degrees of freedom
AIC: 973.28

Number of Fisher Scoring iterations: 5
```

# Praxis IML – Binomiale Regression

## Binomiale Regression bezueglich Nicht–Stammpatienten bei Arzt 3

```
Call:
glm(formula = Attended ~ IndirectWaitingPeriod + Metrik1 + Metrik2,
    family = binomial, data = dataset)

Deviance Residuals:
    Min       1Q   Median       3Q      Max
-2.6448   0.3249   0.3918   0.4546   1.3704

Coefficients:
                Estimate Std. Error z value Pr(>|z|)
(Intercept)      2.383236    0.358409   6.649 2.94e-11 ***
IndirectWaitingPeriod -0.015457    0.004575  -3.379 0.000729 ***
Metrik1          -2.328833    2.387647  -0.975 0.329378
Metrik2           3.057910    2.231788   1.370 0.170637
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for binomial family taken to be 1)

    Null deviance: 1322.3  on 2279  degrees of freedom
Residual deviance: 1282.9  on 2276  degrees of freedom
AIC: 1290.9

Number of Fisher Scoring iterations: 5
```

## Praxis IML – Binomiale Regression

### Binomiale Regression bezüglich Nicht–Stammpatienten bei Arzt 4

Call:

```
glm(formula = Attended ~ IndirectWaitingPeriod + Metrik1 + Metrik2,  
     family = binomial, data = dataset)
```

Deviance Residuals:

| Min     | 1Q     | Median | 3Q     | Max    |
|---------|--------|--------|--------|--------|
| -2.8546 | 0.3124 | 0.3755 | 0.4248 | 0.9953 |

Coefficients:

|                       | Estimate | Std. Error | z value | Pr(> z )     |
|-----------------------|----------|------------|---------|--------------|
| (Intercept)           | 2.15044  | 0.50626    | 4.248   | 2.16e-05 *** |
| IndirectWaitingPeriod | -0.01018 | 0.01016    | -1.002  | 0.317        |
| Metrik1               | -5.07261 | 4.09374    | -1.239  | 0.215        |
| Metrik2               | 5.75392  | 3.91616    | 1.469   | 0.142        |

---

Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for binomial family taken to be 1)

Null deviance: 213.88 on 404 degrees of freedom  
Residual deviance: 207.79 on 401 degrees of freedom  
AIC: 215.79

Number of Fisher Scoring iterations: 6

# Praxis IML – Binomiale Regression

## Binomiale Regression bezueglich allen Patienten

```
Call:
glm(formula = Attended ~ IndirectWaitingPeriod + Metrik1 + Metrik2,
     family = binomial, data = dataset)

Deviance Residuals:
    Min       1Q   Median       3Q      Max
-3.2278   0.2888   0.3288   0.3623   0.4815

Coefficients:
                Estimate Std. Error z value Pr(>|z|)
(Intercept)      2.2960852   0.1132845  20.268 < 2e-16 ***
IndirectWaitingPeriod -0.0006683   0.0010522  -0.635  0.525352
Metrik1          -2.1870680   0.9155047  -2.389  0.016898 *
Metrik2           3.3466718   0.8668502   3.861  0.000113 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for binomial family taken to be 1)

    Null deviance: 6718.9  on 15850  degrees of freedom
Residual deviance: 6638.8  on 15847  degrees of freedom
AIC: 6646.8

Number of Fisher Scoring iterations: 6
```

# Praxis IML – Binomiale Regression

## Binomiale Regression bezüglich allen Stammpatienten bei Arzt 1

```
Call:
glm(formula = Attended ~ IndirectWaitingPeriod + Metrik1 + Metrik2,
    family = binomial, data = dataset)

Deviance Residuals:
    Min       1Q   Median       3Q      Max
-2.8598   0.2515   0.2907   0.3235   0.4196

Coefficients:
                Estimate Std. Error z value Pr(>|z|)
(Intercept)      2.385903    0.247259   9.649  <2e-16 ***
IndirectWaitingPeriod 0.001837    0.002272   0.809   0.4187
Metrik1          -3.861096    2.089807  -1.848   0.0647 .
Metrik2           5.063104    2.004700   2.526   0.0115 *
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for binomial family taken to be 1)

    Null deviance: 1605.4  on 4568  degrees of freedom
Residual deviance: 1588.2  on 4565  degrees of freedom
AIC: 1596.2

Number of Fisher Scoring iterations: 6
```

# Praxis IML – Binomiale Regression

## Binomiale Regression bezüglich allen Stammpatienten bei Arzt 2

```
Call:
glm(formula = Attended ~ IndirectWaitingPeriod + Metrik1 + Metrik2,
     family = binomial, data = dataset)

Deviance Residuals:
    Min       1Q   Median       3Q      Max
-2.7439   0.2784   0.3270   0.3614   0.4826

Coefficients:
                Estimate Std. Error z value Pr(>|z|)
(Intercept)      2.1788590   0.2054705  10.604  <2e-16 ***
IndirectWaitingPeriod -0.0003394   0.0018850  -0.180    0.857
Metrik1           0.3684698   1.4483852   0.254    0.799
Metrik2           1.3155517   1.3380759   0.983    0.326
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for binomial family taken to be 1)

    Null deviance: 2154.9  on 5121  degrees of freedom
Residual deviance: 2121.5  on 5118  degrees of freedom
AIC: 2129.5

Number of Fisher Scoring iterations: 6
```



# Praxis IML – Binomiale Regression

## Binomiale Regression bezüglich allen Stammpatienten bei Arzt 3

```
Call:
glm(formula = Attended ~ IndirectWaitingPeriod + Metrik1 + Metrik2,
     family = binomial, data = dataset)

Deviance Residuals:
    Min       1Q   Median       3Q      Max
-2.6984   0.3265   0.3688   0.4024   0.6355

Coefficients:
                Estimate Std. Error z value Pr(>|z|)
(Intercept)      2.116239    0.197556  10.712  <2e-16 ***
IndirectWaitingPeriod -0.001816    0.001726  -1.052   0.2927
Metrik1          -2.866720    1.614617  -1.775   0.0758 .
Metrik2           3.918959    1.530166   2.561   0.0104 *
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for binomial family taken to be 1)

    Null deviance: 2483.6  on 4957  degrees of freedom
Residual deviance: 2450.4  on 4954  degrees of freedom
AIC: 2458.4

Number of Fisher Scoring iterations: 6
```

# Praxis IML – Binomiale Regression

## Binomiale Regression bezüglich allen Stammpatienten bei Arzt 4

```
Call:
glm(formula = Attended ~ IndirectWaitingPeriod + Metrik1 + Metrik2,
     family = binomial, data = dataset)

Deviance Residuals:
    Min       1Q   Median       3Q      Max
-2.7391   0.2640   0.2995   0.3344   0.3772

Coefficients:
                Estimate Std. Error z value Pr(>|z|)
(Intercept)      2.6071048  0.3483651   7.484 7.22e-14 ***
IndirectWaitingPeriod 0.0003231  0.0061421   0.053   0.958
Metrik1          -0.6282083  2.6688505  -0.235   0.814
Metrik2           1.7095314  2.5488796   0.671   0.502
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for binomial family taken to be 1)

    Null deviance: 440.63  on 1201  degrees of freedom
Residual deviance: 436.60  on 1198  degrees of freedom
AIC: 444.6

Number of Fisher Scoring iterations: 6
```

# Praxis WD – Binomiale Regression

## Binomiale Regression bezueglich Stammpatienten

```
Call:
glm(formula = Attended ~ IndirectWaitingPeriod + Metrik1 + Metrik2,
    family = binomial, data = dataset)

Deviance Residuals:
    Min       1Q   Median       3Q      Max
-3.4585   0.2909   0.3160   0.3396   0.5649

Coefficients:
                Estimate Std. Error z value Pr(>|z|)
(Intercept)      2.656e+00  9.988e-02  26.590 < 2e-16 ***
IndirectWaitingPeriod -1.657e-03  4.873e-04  -3.400 0.000674 ***
Metrik1           -1.028e+01  1.448e+00  -7.101 1.24e-12 ***
Metrik2             1.076e+01  1.443e+00   7.459 8.73e-14 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for binomial family taken to be 1)

    Null deviance: 12244  on 30890  degrees of freedom
Residual deviance: 12085  on 30887  degrees of freedom
AIC: 12093

Number of Fisher Scoring iterations: 7
```

# Praxis WD – Binomiale Regression

## Binomiale Regression bezueglich Stammpatienten bei Arzt 1

```
Call:
glm(formula = Attended ~ IndirectWaitingPeriod + Metrik1 + Metrik2,
     family = binomial, data = dataset)

Deviance Residuals:
    Min       1Q   Median       3Q      Max
-3.1075   0.2693   0.3013   0.3204   0.8367

Coefficients:
                Estimate Std. Error z value Pr(>|z|)
(Intercept)      2.671e+00  1.399e-01  19.092 < 2e-16 ***
IndirectWaitingPeriod -3.311e-03  8.222e-04  -4.028 5.64e-05 ***
Metrik1          -1.582e+01  2.668e+00  -5.929 3.05e-09 ***
Metrik2           1.646e+01  2.686e+00   6.129 8.85e-10 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for binomial family taken to be 1)

    Null deviance: 5455.3  on 14462  degrees of freedom
Residual deviance: 5328.7  on 14459  degrees of freedom
AIC: 5336.7

Number of Fisher Scoring iterations: 7
```

# Praxis WD – Binomiale Regression

## Binomiale Regression bezueglich Stammpatienten bei Arzt 2

```
Call:
glm(formula = Attended ~ IndirectWaitingPeriod + Metrik1 + Metrik2,
    family = binomial, data = dataset)

Deviance Residuals:
    Min       1Q   Median       3Q      Max
-3.2735   0.3059   0.3314   0.3513   0.4100

Coefficients:
                Estimate Std. Error z value Pr(>|z|)
(Intercept)      2.5563644  0.1567273  16.311  < 2e-16 ***
IndirectWaitingPeriod -0.0003418  0.0006922  -0.494    0.621
Metrik1          -8.5488587  1.8091265  -4.725 2.30e-06 ***
Metrik2           8.9683021  1.7924746   5.003 5.64e-07 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for binomial family taken to be 1)

    Null deviance: 6782.6  on 16427  degrees of freedom
Residual deviance: 6723.1  on 16424  degrees of freedom
AIC: 6731.1

Number of Fisher Scoring iterations: 7
```

## Praxis WD – Binomiale Regression

### **Binomiale Regression bezueglich Nicht–Stammpatienten**

```
[1] "Keine Daten verfuegbar"
```

# Praxis WD – Binomiale Regression

## Binomiale Regression bezueglich allen Patienten

```
Call:
glm(formula = Attended ~ IndirectWaitingPeriod + Metrik1 + Metrik2,
    family = binomial, data = dataset)

Deviance Residuals:
    Min       1Q   Median       3Q      Max
-3.4585   0.2909   0.3160   0.3396   0.5649

Coefficients:
                Estimate Std. Error z value Pr(>|z|)
(Intercept)      2.656e+00  9.988e-02  26.590 < 2e-16 ***
IndirectWaitingPeriod -1.657e-03  4.873e-04  -3.400 0.000674 ***
Metrik1           -1.028e+01  1.448e+00  -7.101 1.24e-12 ***
Metrik2             1.076e+01  1.443e+00   7.459 8.73e-14 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for binomial family taken to be 1)

    Null deviance: 12244  on 30890  degrees of freedom
Residual deviance: 12085  on 30887  degrees of freedom
AIC: 12093

Number of Fisher Scoring iterations: 7
```

# Praxis WD – Binomiale Regression

## Binomiale Regression bezüglich allen Stammpatienten bei Arzt 1

```
Call:
glm(formula = Attended ~ IndirectWaitingPeriod + Metrik1 + Metrik2,
    family = binomial, data = dataset)

Deviance Residuals:
    Min       1Q   Median       3Q      Max
-3.1075   0.2693   0.3013   0.3204   0.8367

Coefficients:
                Estimate Std. Error z value Pr(>|z|)
(Intercept)      2.671e+00  1.399e-01  19.092 < 2e-16 ***
IndirectWaitingPeriod -3.311e-03  8.222e-04  -4.028 5.64e-05 ***
Metrik1           -1.582e+01  2.668e+00  -5.929 3.05e-09 ***
Metrik2             1.646e+01  2.686e+00   6.129 8.85e-10 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for binomial family taken to be 1)

    Null deviance: 5455.3  on 14462  degrees of freedom
Residual deviance: 5328.7  on 14459  degrees of freedom
AIC: 5336.7

Number of Fisher Scoring iterations: 7
```



## Praxis WD – Binomiale Regression

### Binomiale Regression bezüglich allen Stammpatienten bei Arzt 2

Call:

```
glm(formula = Attended ~ IndirectWaitingPeriod + Metrik1 + Metrik2,  
     family = binomial, data = dataset)
```

Deviance Residuals:

| Min     | 1Q     | Median | 3Q     | Max    |
|---------|--------|--------|--------|--------|
| -3.2735 | 0.3059 | 0.3314 | 0.3513 | 0.4100 |

Coefficients:

|                       | Estimate   | Std. Error | z value | Pr(> z )     |
|-----------------------|------------|------------|---------|--------------|
| (Intercept)           | 2.5563644  | 0.1567273  | 16.311  | < 2e-16 ***  |
| IndirectWaitingPeriod | -0.0003418 | 0.0006922  | -0.494  | 0.621        |
| Metrik1               | -8.5488587 | 1.8091265  | -4.725  | 2.30e-06 *** |
| Metrik2               | 8.9683021  | 1.7924746  | 5.003   | 5.64e-07 *** |

---

Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for binomial family taken to be 1)

Null deviance: 6782.6 on 16427 degrees of freedom  
Residual deviance: 6723.1 on 16424 degrees of freedom  
AIC: 6731.1

Number of Fisher Scoring iterations: 7

## Alle Praxen zusammengelegt – Binomiale Regression

### Binomiale Regression bezueglich Stammpatienten

Call:

```
glm(formula = Attended ~ IndirectWaitingPeriod + Metrik1 + Metrik2,  
     family = binomial, data = dataset)
```

Deviance Residuals:

| Min     | 1Q     | Median | 3Q     | Max    |
|---------|--------|--------|--------|--------|
| -3.1551 | 0.2743 | 0.2976 | 0.3219 | 0.6393 |

Coefficients:

|                       | Estimate   | Std. Error | z value | Pr(> z )     |
|-----------------------|------------|------------|---------|--------------|
| (Intercept)           | 2.7982261  | 0.0670180  | 41.753  | < 2e-16 ***  |
| IndirectWaitingPeriod | -0.0024159 | 0.0003898  | -6.198  | 5.72e-10 *** |
| Metrik1               | -6.4107854 | 0.8381352  | -7.649  | 2.03e-14 *** |
| Metrik2               | 6.9423753  | 0.8313344  | 8.351   | < 2e-16 ***  |

---

Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for binomial family taken to be 1)

Null deviance: 18223 on 49203 degrees of freedom  
Residual deviance: 17996 on 49200 degrees of freedom  
AIC: 18004

Number of Fisher Scoring iterations: 7

## Alle Praxen zusammengelegt – Binomiale Regression

### Binomiale Regression bezueglich Nicht–Stammpatienten

Call:

```
glm(formula = Attended ~ IndirectWaitingPeriod + Metrik1 + Metrik2,  
     family = binomial, data = dataset)
```

Deviance Residuals:

| Min     | 1Q     | Median | 3Q     | Max    |
|---------|--------|--------|--------|--------|
| -3.0600 | 0.3014 | 0.3658 | 0.4312 | 1.1813 |

Coefficients:

|                       | Estimate  | Std. Error | z value | Pr(> z ) |     |
|-----------------------|-----------|------------|---------|----------|-----|
| (Intercept)           | 2.249846  | 0.203459   | 11.058  | <2e-16   | *** |
| IndirectWaitingPeriod | -0.012568 | 0.002753   | -4.565  | 5e-06    | *** |
| Metrik1               | -2.276571 | 1.363763   | -1.669  | 0.0951   | .   |
| Metrik2               | 3.295067  | 1.279828   | 2.575   | 0.0100   | *   |

---

Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for binomial family taken to be 1)

Null deviance: 3111.1 on 5837 degrees of freedom  
Residual deviance: 3014.4 on 5834 degrees of freedom  
AIC: 3022.4

Number of Fisher Scoring iterations: 5

## Alle Praxen zusammengelegt – Binomiale Regression

### Binomiale Regression bezueglich allen Patienten

Call:

```
glm(formula = Attended ~ IndirectWaitingPeriod + Metrik1 + Metrik2,  
     family = binomial, data = dataset)
```

Deviance Residuals:

| Min     | 1Q     | Median | 3Q     | Max    |
|---------|--------|--------|--------|--------|
| -3.4965 | 0.2826 | 0.3066 | 0.3358 | 0.5872 |

Coefficients:

|                       | Estimate   | Std. Error | z value | Pr(> z )     |
|-----------------------|------------|------------|---------|--------------|
| (Intercept)           | 2.6226322  | 0.0607101  | 43.199  | < 2e-16 ***  |
| IndirectWaitingPeriod | -0.0017505 | 0.0003738  | -4.682  | 2.83e-06 *** |
| Metrik1               | -3.4110771 | 0.5879221  | -5.802  | 6.56e-09 *** |
| Metrik2               | 4.1970681  | 0.5771748  | 7.272   | 3.55e-13 *** |

---

Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for binomial family taken to be 1)

Null deviance: 21421 on 55041 degrees of freedom  
Residual deviance: 21200 on 55038 degrees of freedom  
AIC: 21208

Number of Fisher Scoring iterations: 6