

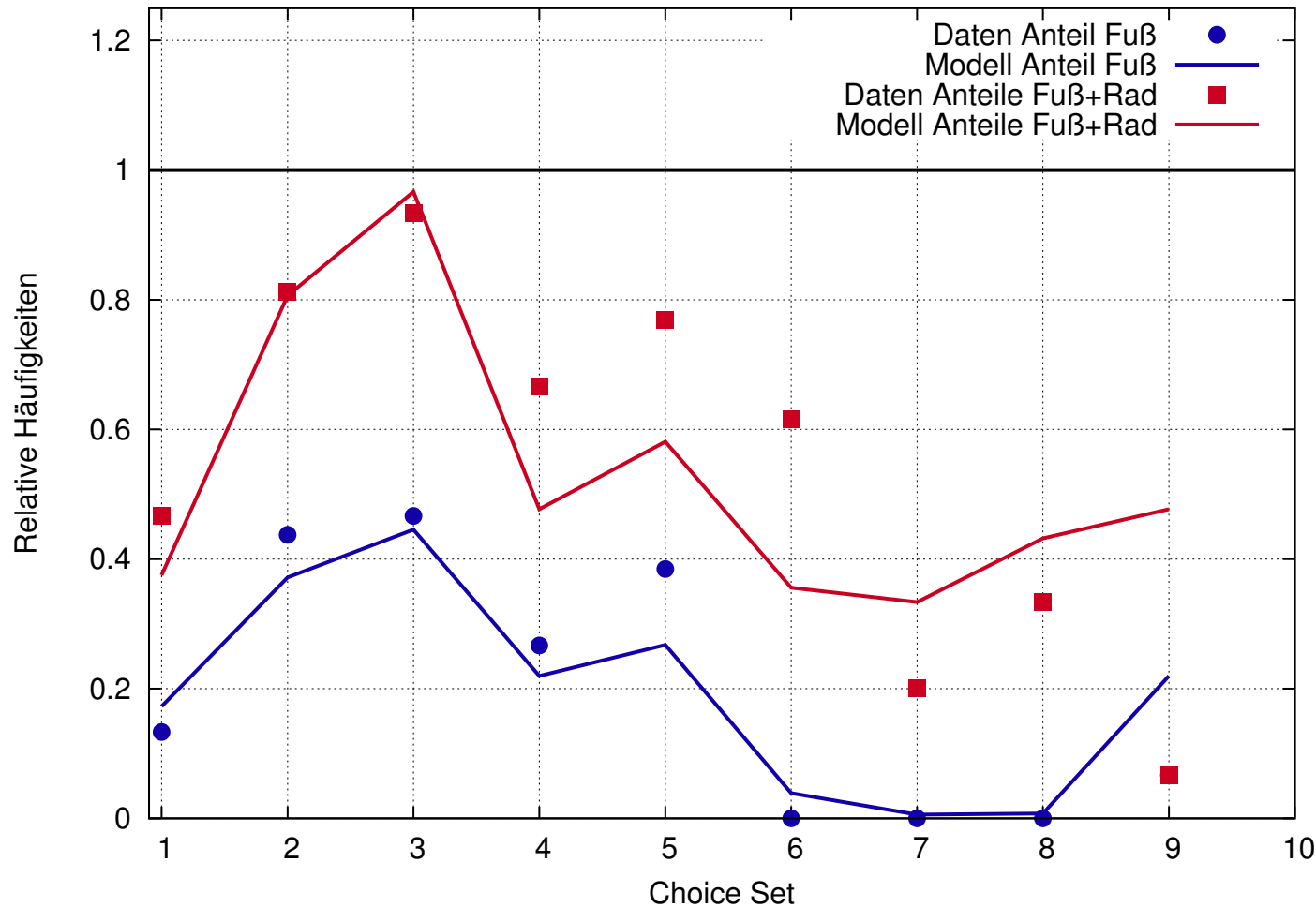
Stated Choice WS 16/17: Fitgüten der verschiedenen Modelle

Choice Set	Alt. 1: Fuß	Alt. 2: Rad	Alt. 3: ÖV/MIV	Wahl 1	Wahl 2	Wahl 3
1	30 min	30 min	30 min+0€	2	5	8
2	30 min	30 min	40 min+0€	7	6	3
3	30 min	30 min	50 min+0€	7	7	1
4	30 min	30 min	30 min+1€	4	6	5
5	30 min	30 min	30 min+2€	5	5	3
6	40 min	30 min	30 min+1€	0	8	5
7	80 min	60 min	60 min+1€	0	3	12
8	80 min	60 min	60 min+2€	0	5	10
9	30 min	30 min	30 min+1€	1	0	14

schwarz: Wetter schön ($W = 0$); rot: Wetter schlecht ($W = 1$)

SC WS 16/17 mit globaler Zeitsensitivität ohne Wetter

$$V_i = \beta_0 \delta_{i1} + \beta_1 \delta_{i2} + \beta_2 C + \beta_3 T$$



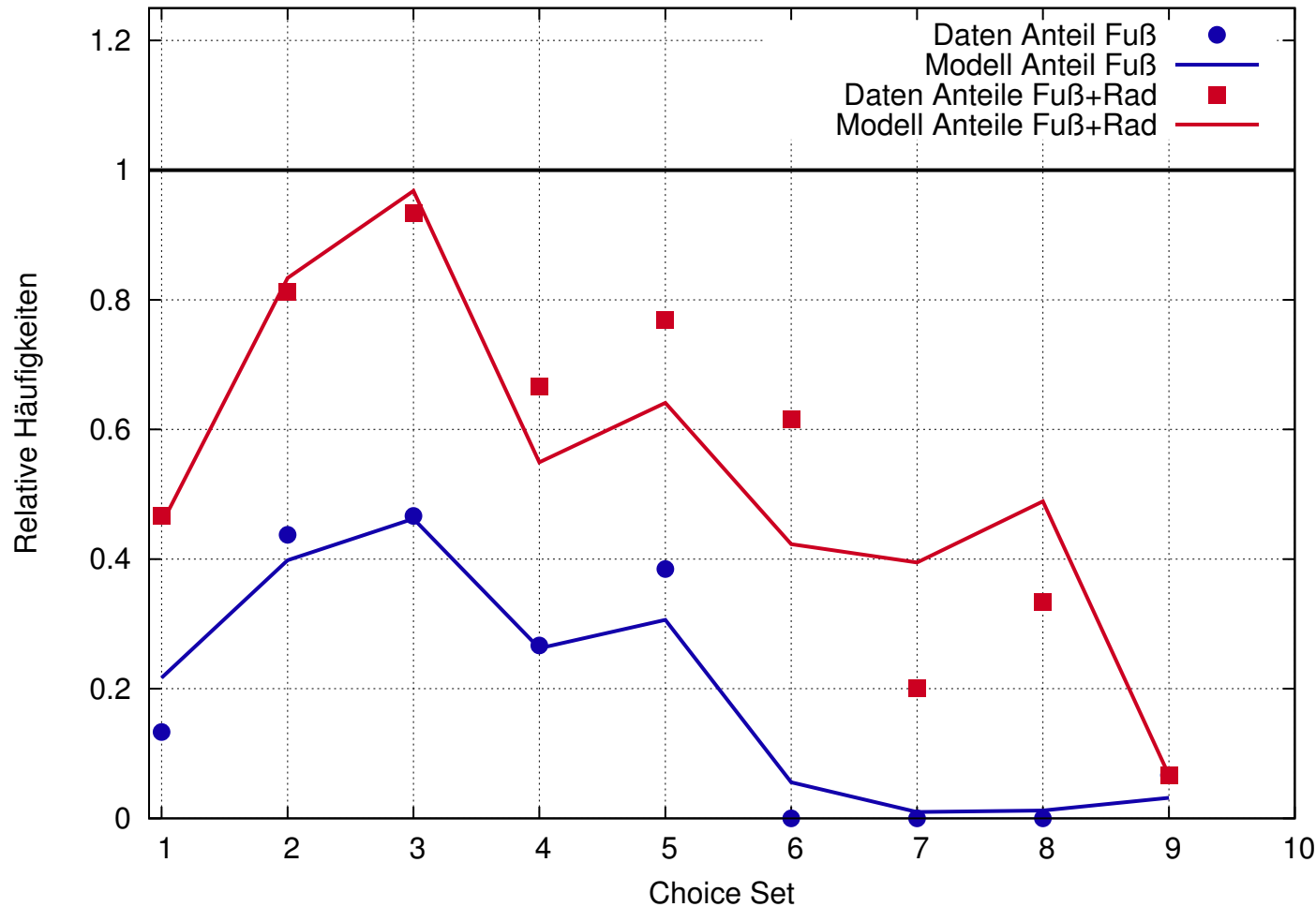
$$\begin{aligned} \ln L &= -118.3, \\ \ln L_{\text{init}} &= -145.0, \\ \beta_0 &= -1.29 \pm 0.41, \\ \beta_1 &= -1.13 \pm 0.40, \\ \beta_2 &= -0.42 \pm 0.31, \\ \beta_3 &= -0.19 \pm 0.05 \end{aligned}$$

$$\begin{aligned} AC_{\text{Fuss}}[\text{min}] &= \frac{\beta_0}{-\beta_3} = -6.6 & AC_{\text{Fuss}}[\text{€}] &= \frac{\beta_0}{-\beta_2} = -3.10 \\ AC_{\text{Rad}}[\text{min}] &= \frac{\beta_1}{-\beta_3} = -5.8 & AC_{\text{Rad}}[\text{€}] &= \frac{\beta_1}{-\beta_2} = -2.70 \end{aligned}$$

$$\text{Zeitwert}[\text{€/h}] = \frac{60\beta_3}{\beta_2} = 28$$

SC WS 16/17 mit globaler Zeitsensitivität

$$V_i = \beta_0 \delta_{i1} + \beta_1 \delta_{i2} + \beta_2 C + \beta_3 T + \beta_4 W \delta_{i2}$$

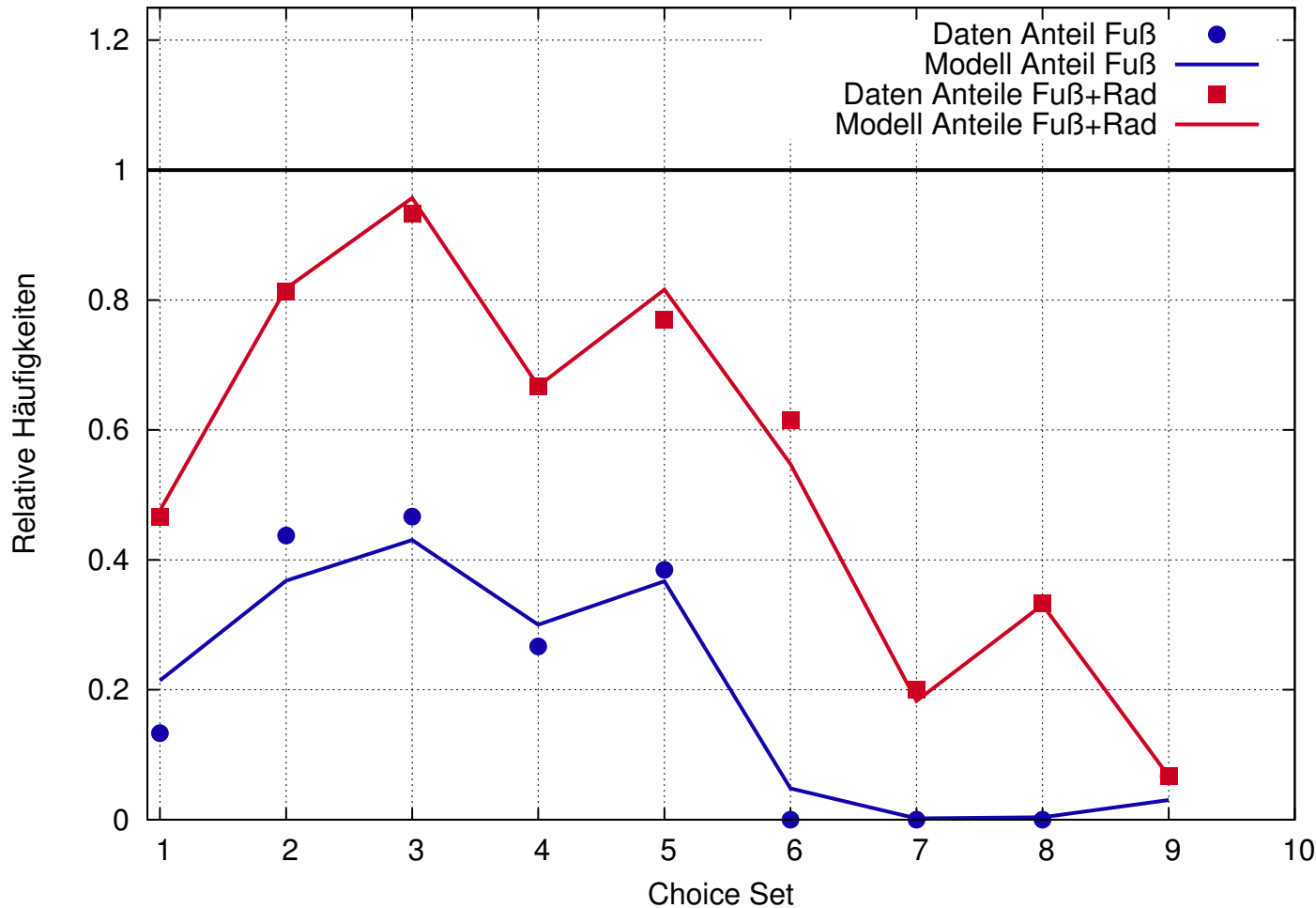


$\ln L = -111.3,$
 $\ln L_{\text{init}} = -145.0,$
 $\beta_0 = -0.92 \pm 0.41,$
 $\beta_1 = 0.83 \pm 0.40,$
 $\beta_2 = -0.38 \pm 0.30,$
 $\beta_3 = -0.18 \pm 0.05,$
 $\beta_4 = 2.8 \pm 1.1$

$AC_{\text{Fuss}}[\text{min}] = \frac{\beta_0}{-\beta_3} = -5.1$	$AC_{\text{Fuss}}[\text{€}] = \frac{\beta_0}{-\beta_2} = -2.40$	$\text{Zeitwert}[\text{€}/\text{h}] = \frac{60\beta_3}{\beta_2} = 28$
$AC_{\text{Rad}}[\text{min}] = \frac{\beta_1}{-\beta_3} = -4.6$	$AC_{\text{Rad}}[\text{€}] = \frac{\beta_1}{-\beta_2} = -2.20$	$\text{Wetterdummy}[\text{€}] = \frac{\beta_4}{-\beta_2} = 7.4$

SC WS 16/17: Gemeinsame Zeitsensitivität Fuss-Rad

$$V_i = \beta_0 \delta_{i1} + \beta_1 \delta_{i2} + \beta_2 C + \beta_3 T (\delta_{i1} + \delta_{i2}) + \beta_4 T \delta_{i3} + \beta_5 W \delta_{i2}$$



$$\begin{aligned} \ln L &= -107.0, \\ \ln L_{\text{init}} &= -145.0, \\ \beta_0 &= 0.71 \pm 0.71, \\ \beta_1 &= 0.91 \pm 0.73 \\ \beta_2 &= -0.79 \pm 0.37, \\ \beta_3 &= -0.21 \pm 0.05, \\ \beta_4 &= -0.16 \pm 0.05, \\ \beta_5 &= 3.3 \pm 1.1, \end{aligned}$$

$$AC_{\text{Fu\ss}}[\text{€}] = \frac{\beta_0}{-\beta_2} = +0.90$$

$$AC_{\text{Rad}}[\text{€}] = \frac{\beta_1}{-\beta_2} = +1.20$$

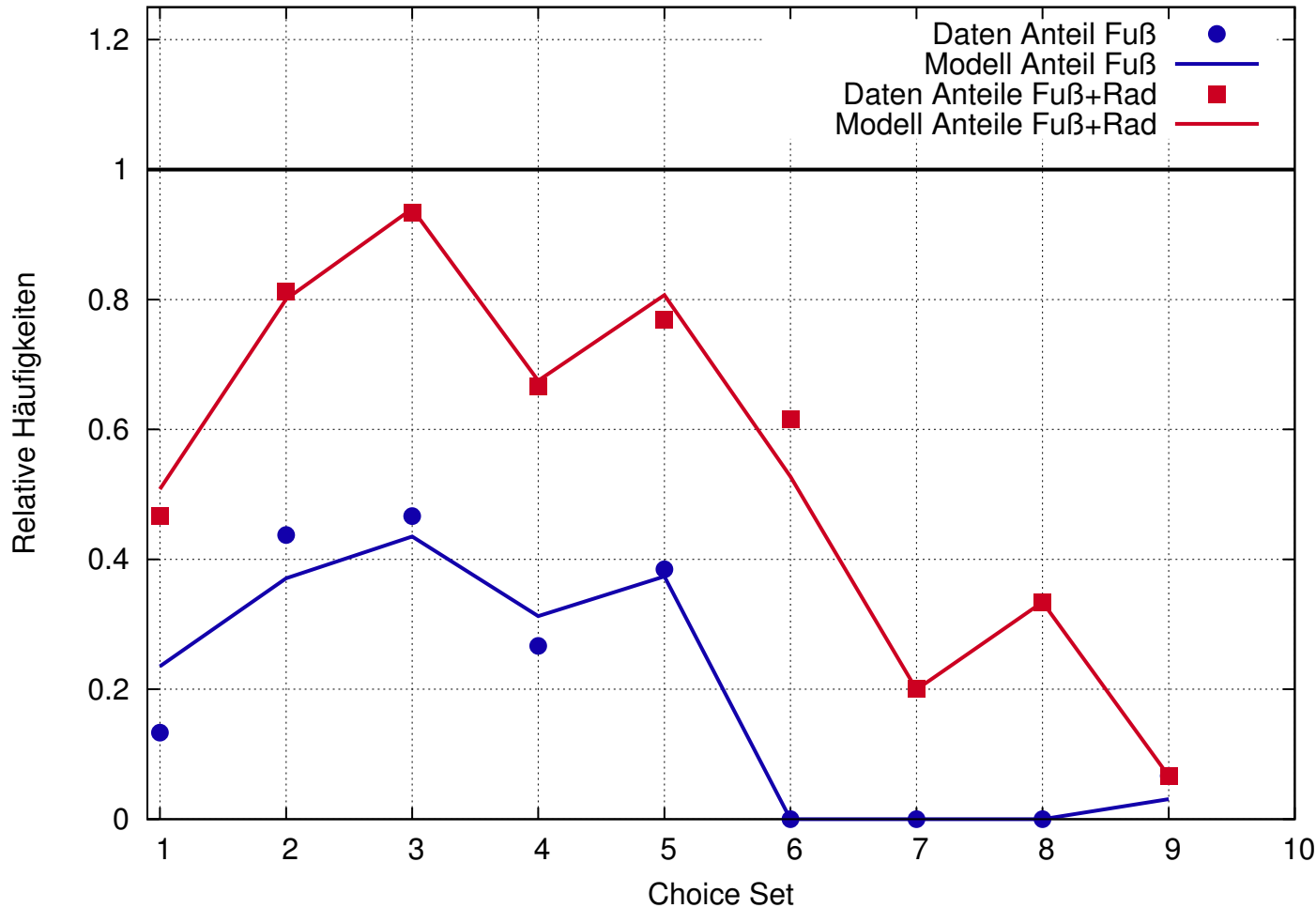
$$\text{Zeitwert F/R}[\text{€/h}] = \frac{60\beta_3}{\beta_2} = 16$$

$$\text{Zeitwert OEV}[\text{€/h}] = \frac{60\beta_4}{\beta_2} = 12$$

$$\text{Wetterdummy}[\text{€}] = \frac{\beta_5}{-\beta_2} = 4.2$$

SC WS 16/17: Alternativenspezifische Zeitbewertungen

$$V_i = \beta_0 \delta_{i1} + \beta_1 \delta_{i2} + \beta_2 C + \beta_3 T \delta_{i1} + \beta_4 T \delta_{i2} + \beta_5 T \delta_{i3} + \beta_6 W \delta_{i2}$$



$$\begin{aligned} \ln L &= -106.1, \\ \ln L_{\text{init}} &= -145.0, \\ \beta_0 &= 31.3 \pm 1000, \\ \beta_1 &= 0.91 \pm 0.71, \\ \beta_2 &= -0.70 \pm 0.36, \\ \beta_3 &= -1.20 \pm 1000, \\ \beta_4 &= -0.19 \pm 0.05, \\ \beta_5 &= -0.14 \pm 0.04, \\ \beta_6 &= +3.4 \pm 1.1 \end{aligned}$$

$$AC_{\text{Fuß}}[\text{€}] = \frac{\beta_0}{-\beta_2} = +44.80$$

$$\text{Zeitwert Fuß}[\text{€/h}] = \frac{60\beta_3}{\beta_2} = 103$$

$$\text{Zeitwert Rad}[\text{€/h}] = \frac{60\beta_4}{\beta_2} = 16$$

$$AC_{\text{Rad}}[\text{€}] = \frac{\beta_1}{-\beta_2} = +1.30$$

$$\text{Zeitwert Rad}[\text{€/h}] = \frac{60\beta_4}{\beta_2} = 16$$

$$\text{Wetterdummy}[\text{€}] = \frac{\beta_6}{-\beta_2} = 4.80$$