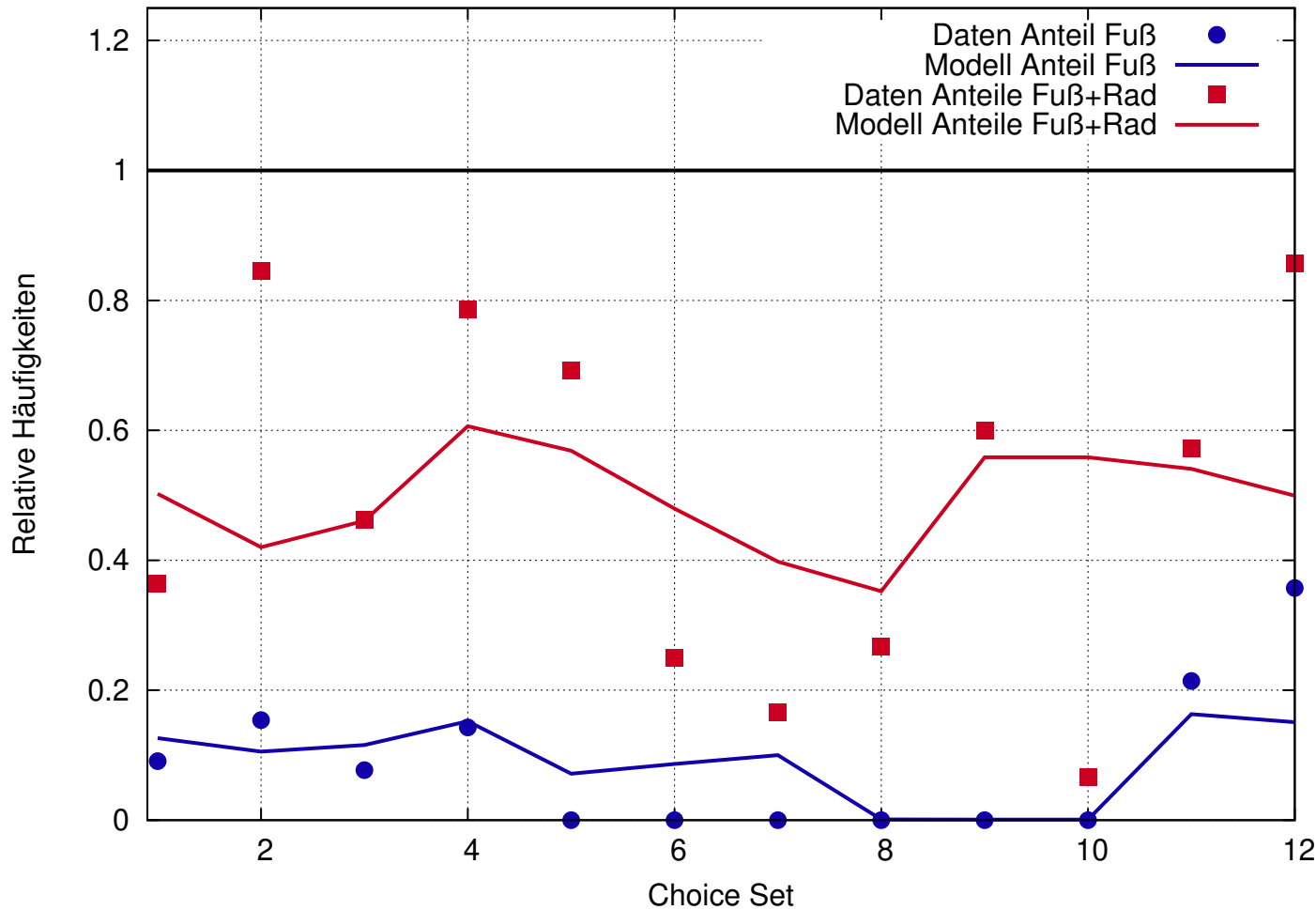# Stated Choice WS18/19: globale Zeitsensitivität mit Wettereinfluss (rot: Wetter schlecht, $W = 1$)

Choice Set	Alt. 1: Fuß	Alt. 2: Rad	Alt. 3: ÖV/MIV	Wahl 1	Wahl 2	Wahl 3
1	30 min	20 min	20 min+0€	1	3	7
2	30 min	20 min	20 min+2€	2	9	2
3	30 min	20 min	20 min+1€	1	5	7
4	30 min	20 min	30 min+0€	2	9	3
5	50 min	20 min	30 min+0€	0	9	4
6	50 min	30 min	30 min+0€	0	3	9
7	50 min	40 min	30 min+0€	0	2	10
8	180 min	60 min	60 min+2€	0	4	11
9	180 min	40 min	60 min+2€	0	9	6
10	180 min	40 min	60 min+2€	0	1	14
11	12 min	8 min	10 min+0€	3	5	6
12	12 min	8 min	10 min+1€	5	7	2

Stated Choice WS 18/19, Fitgüte:
globale Zeitsensitivität ohne Wetter-Dummy

$$V_i = \beta_0 \delta_{i1} + \beta_1 \delta_{i2} + \beta_2 K_i + \beta_3 T_i$$

$\ln L = -142$,
$\ln L_{\text{init}} = -177$,
$\beta_0 = -0.95 \pm 0.366$,
$\beta_1 = -0.281 \pm 0.238$,
$\beta_2 = 0.166 \pm 0.191$,
$\beta_3 = -0.0423 \pm 0.0172$,

$\text{AC}_{\text{Fuss}}[\min] = \frac{\beta_0}{-\beta_3} = -22$ $\quad$ $\text{AC}_{\text{Fuss}}[€] = \frac{\beta_0}{-\beta_2} = 5.7$
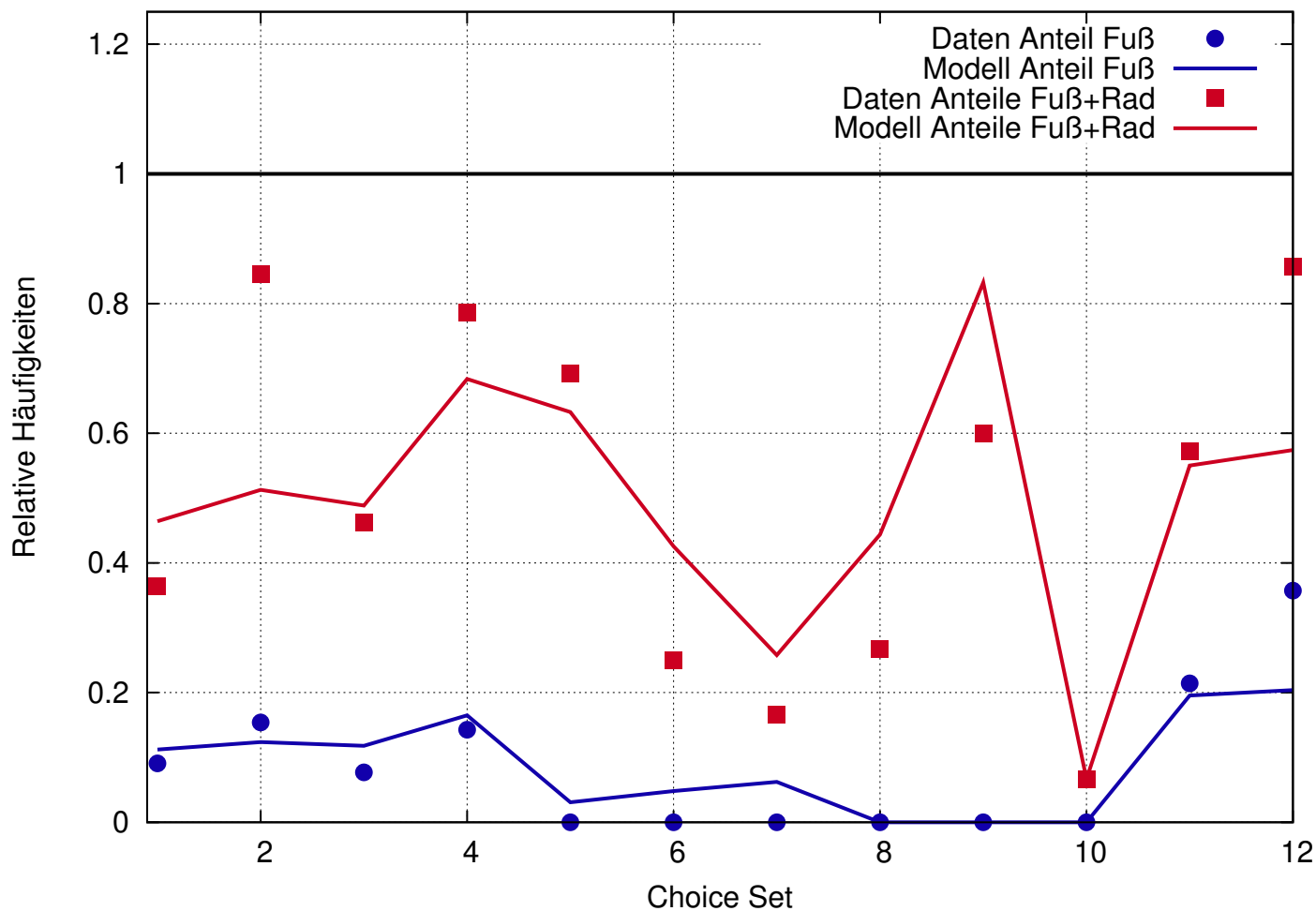
$\text{AC}_{\text{Rad}}[\min] = \frac{\beta_1}{-\beta_3} = -6.6$ $\quad$ $\text{AC}_{\text{Rad}}[€] = \frac{\beta_1}{-\beta_2} = 1.711$

$\text{Zeitwert}[€/\text{h}] = \frac{60\beta_3}{\beta_2} = -15$

Stated Choice WS 18/19, Fitgüte:
globale Zeitsensitivität mit Wetterdummy

$$V_i = \beta_0 \delta_{i1} + \beta_1 \delta_{i2} + \beta_2 K_i + \beta_3 T_i + \beta_4 W \delta_{i3}$$

Legend:
- Daten Anteil Fuß ●
- Modell Anteil Fuß ——
- Daten Anteile Fuß+Rad ■
- Modell Anteile Fuß+Rad ——

x-axis: Choice Set
y-axis: Relative Häufigkeiten

$\ln L = -128.5$,
$\ln L_{\text{init}} = -176.9$,
$\beta_0 = -0.65 \pm 0.37$,
$\beta_1 = -0.42 \pm 0.25$,
$\beta_2 = -0.10 \pm 0.20$,
$\beta_3 = -0.09 \pm 0.02$,
$\beta_4 = 4.2 \pm 1.1$

$$\text{AC}_{\text{Fuss}}[\min] = \frac{\beta_0}{-\beta_3} = -7.1 \qquad \text{AC}_{\text{Fuss}}[\text{€}] = \frac{\beta_0}{-\beta_2} = -6.7 \qquad \text{Zeitwert}[\text{€/h}] = \frac{60\beta_3}{\beta_2} = 57$$
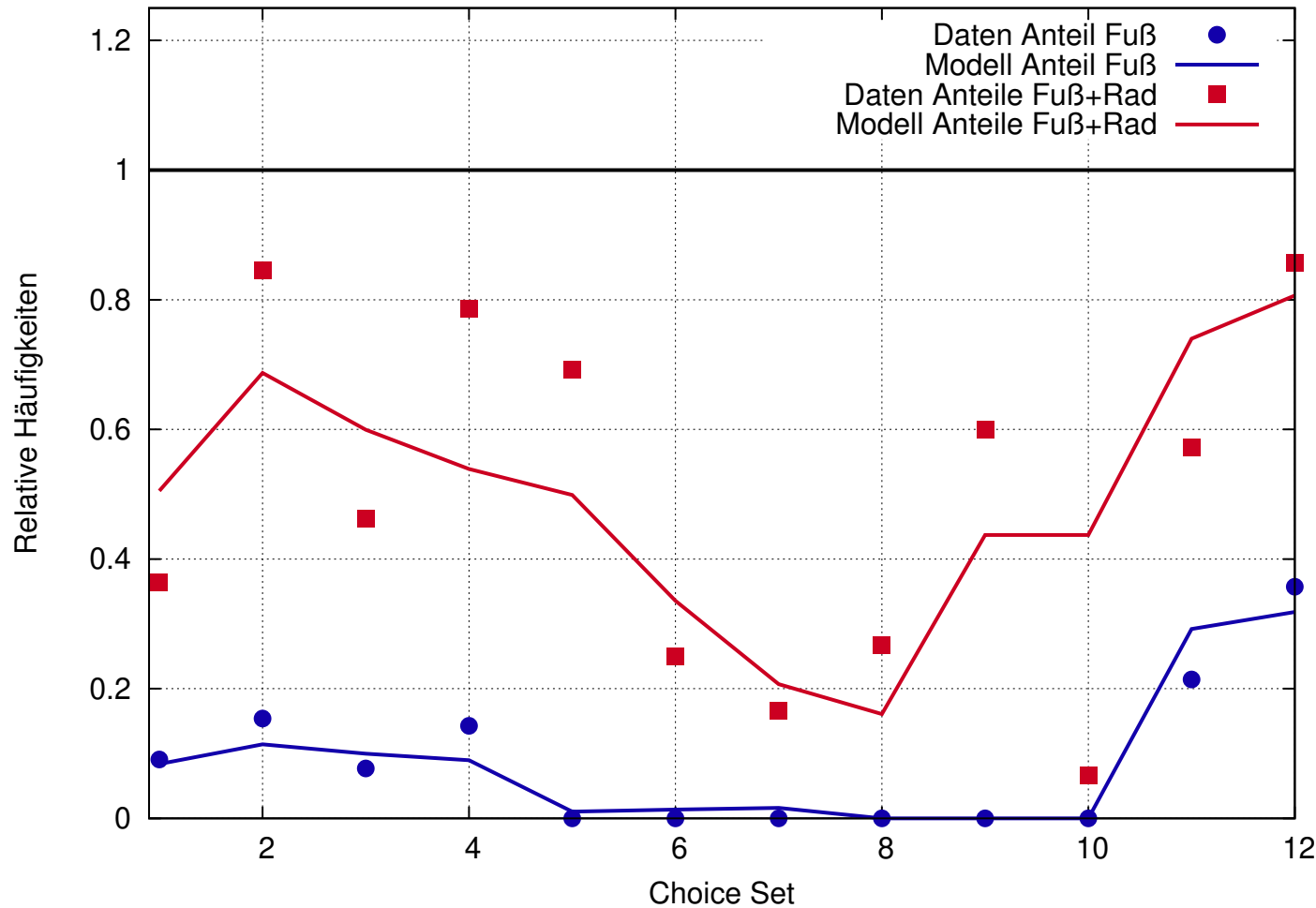
$$\text{AC}_{\text{Rad}}[\min] = \frac{\beta_1}{-\beta_3} = -4.6 \qquad \text{AC}_{\text{Rad}}[\text{€}] = \frac{\beta_1}{-\beta_2} = -4.3 \qquad \text{Wetterdummy}[\text{€}] = \frac{\beta_4}{-\beta_2} = 44$$

Stated Choice WS 18/19, Fitgüte: alternativenspezifische Zeitsensitivität ohne Wetterdummy

$$V_i = \beta_0 \delta_{i1} + \beta_1 \delta_{i2} + \beta_2 K_i + \beta_3 T_1 \delta_{i1} + \beta_4 T_2 \delta_{i2} + \beta_5 T_3 \delta_{i3}$$
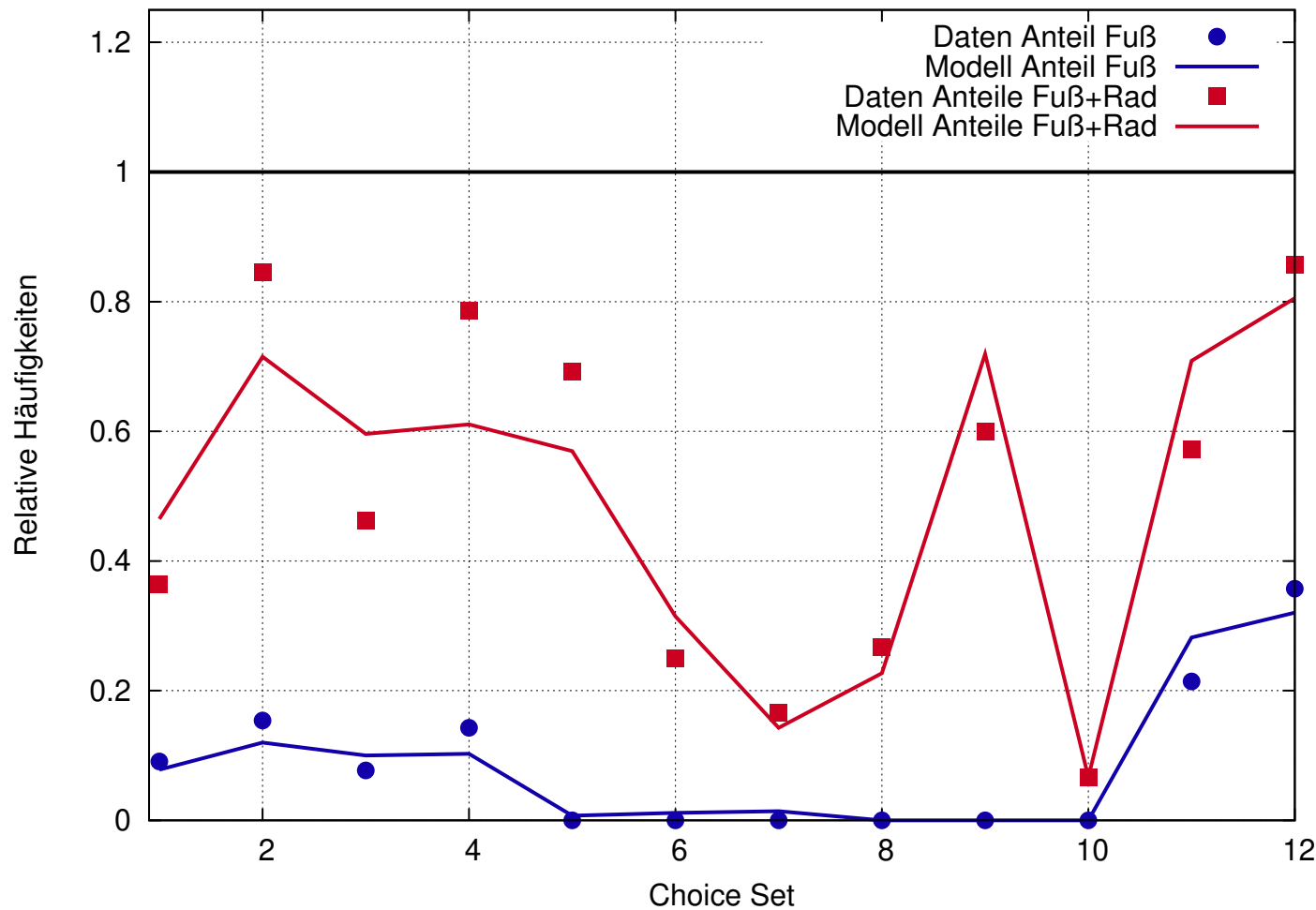

$\ln L = -129$,

$\ln L_{\text{init}} = -177$,

$\beta_0 = 1.33 \pm 0.724$,

$\beta_1 = 0.967 \pm 0.398$,

$\beta_2 = -0.383 \pm 0.241$,

$\beta_3 = -0.112 \pm 0.0319$,

$\beta_4 = -0.0699 \pm 0.0269$,

$\beta_5 = -0.0135 \pm 0.022$,

$\text{AC}_{\text{Fuss}}[\min] = \frac{\beta_0}{-\beta_3} = +11.8$ $\text{AC}_{\text{Fuss}}[€] = \frac{\beta_0}{-\beta_2} = +3.5$

$\text{AC}_{\text{Rad}}[\min] = \frac{\beta_1}{-\beta_3} = +8.6$ $\text{AC}_{\text{Rad}}[€] = \frac{\beta_1}{-\beta_2} = +2.5$

$\text{Zeitwert}[€/\text{ÖV-h}] = \frac{60\beta_5}{\beta_2} = 2.1$

Stated Choice WS 18/19, Fitgüte: alternativenspezifische Zeitsensitivität mit Wetterdummy

$$V_i = \beta_0\delta_{i1} + \beta_1\delta_{i2} + \beta_2 K_i + \beta_3 T_1\delta_{i1} + \beta_4 T_2\delta_{i2} + \beta_5 T_3\delta_{i3} + \beta_6 W\delta_{i3}$$

$\ln L = -120.5,$

$\ln L_{\text{init}} = -176.9,$

$\beta_0 = +1.03 \pm 0.74,$

$\beta_1 = +0.66 \pm 0.40,$

$\beta_2 = -0.53 \pm 0.25,$

$\beta_3 = -0.14 \pm 0.03,$

$\beta_4 = -0.11 \pm 0.03,$

$\beta_5 = -0.06 \pm 0.03,$

$\beta_6 = +3.6 \pm 1.1$

$\text{AC}_{\text{Fuss}}[\text{min}] = \dfrac{\beta_0}{-\beta_3} = +7.5$ $\quad$ $\text{AC}_{\text{Fuss}}[\text{€}] = \dfrac{\beta_0}{-\beta_2} = +1.9$ $\quad$ $\text{Zeitwert}[\text{€/ÖV-h}] = \dfrac{60\beta_5}{\beta_2} = 6.7$

$\text{AC}_{\text{Rad}}[\text{min}] = \dfrac{\beta_1}{-\beta_3} = +4.7$ $\quad$ $\text{AC}_{\text{Rad}}[\text{€}] = \dfrac{\beta_1}{-\beta_2} = +1.2$ $\quad$ $\text{Wetterdummy}[\text{€}] = \dfrac{\beta_6}{-\beta_2} = 6.7$