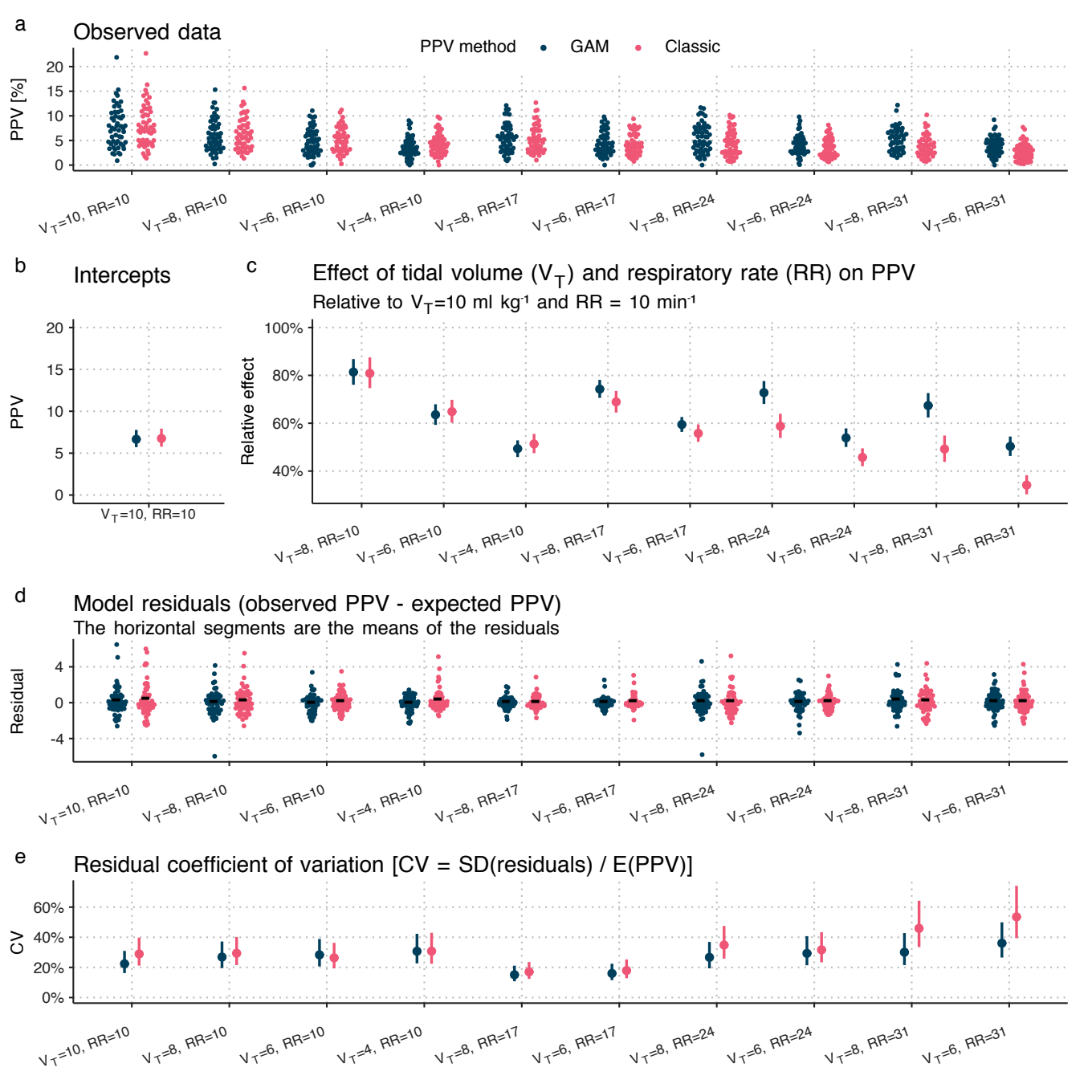
a
Observed data
PPV method
GAM
Classic
PPV [%]
20
15
10
5
0
V_T=10, RR=10
V_T=8, RR=10
V_T=6, RR=10
V_T=4, RR=10
V_T=8, RR=17
V_T=6, RR=17
V_T=8, RR=24
V_T=6, RR=24
V_T=8, RR=31
V_T=6, RR=31
b
Intercepts
PPV
V_T=10, RR=10
c
Effect of tidal volume (V_T) and respiratory rate (RR) on PPV
Relative to V_T=10 ml kg-1 and RR = 10 min-1
Relative effect
100%
80%
60%
40%
d
Model residuals (observed PPV - expected PPV)
The horizontal segments are the means of the residuals
Residual
4
0
-4
e
Residual coefficient of variation [CV = SD(residuals) / E(PPV)]
CV
60%
40%
20%
0%