Foundations of Data Science: Logistic regression -Multiple logistic regression

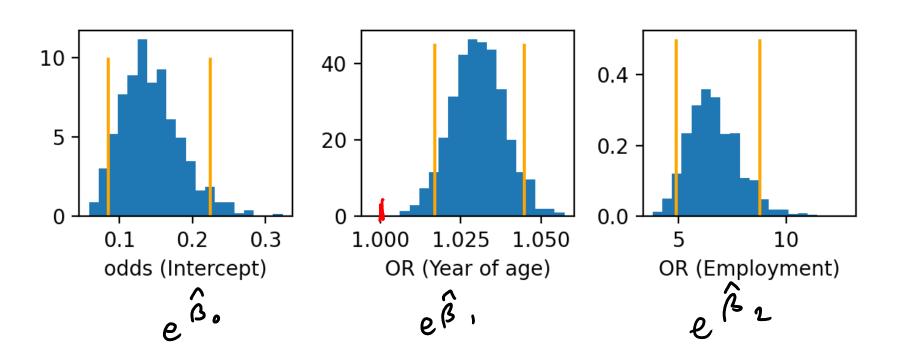
Principle of multiple logistic regression

Indep ranables
$$x^{(1)}$$
 - Arge $x^{(2)}$ - Employment $x^{(2)}$ = $x^{(2)}$

Multiple logistic regression applied to credit e.g.

	Variable	Coefficient	Odds or OR
\hat{eta}_0	Intercept	-1.969	0.140
\hat{eta}_1	Age	0.029	1.030
$\hat{\beta}_2$	Employed	1.881	6.562

Bootstrap confidence entervals



$$R = 1000$$
 $N = 653$

Ho: Age does not affect credit approval in some way:

 $Ha : Age doe affect credit approval in some way:

 $Ha : Page doe affect credit approval in some way:$$