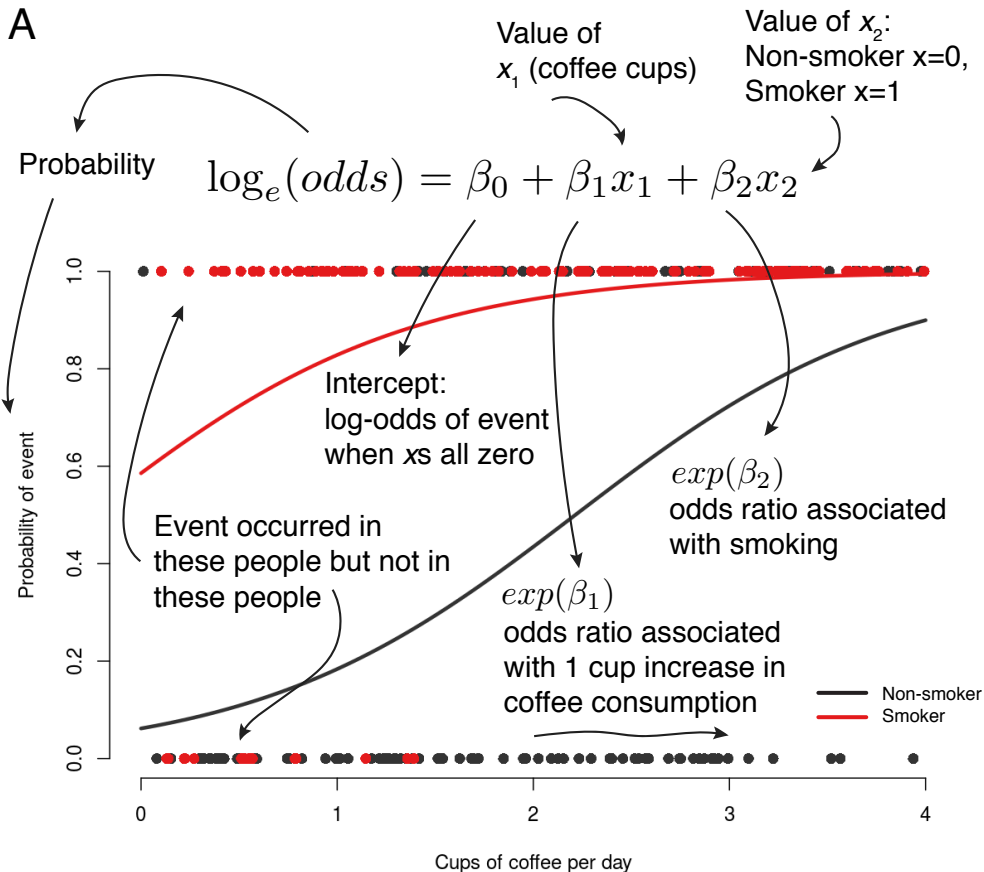


A



## B Logistic regression (glm) output

Call:  
glm(formula = y ~ coffee + smoking, family = "binomial", data = df) ← Function call

Deviance Residuals:

Min	1Q	Median	3Q	Max
-2.1121	-0.5552	0.2567	0.6571	2.3538

← Distribution of residuals

Coefficients:

	Estimate	Std. Error	z value	Pr(> z )
(Intercept)	-2.7197	0.4398	-6.184	6.24e-10 ***
coffee	1.2284	0.1816	6.765	1.33e-11 ***
smoking	3.0658	0.4066	7.540	4.71e-14 ***

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

(Dispersion parameter for binomial family taken to be 1)

Null deviance: 377.61 on 299 degrees of freedom  
Residual deviance: 247.10 on 297 degrees of freedom  
AIC: 253.1

← Results

Coffee:  
OR =  $\exp(1.23)$   
= 3.42

Smoking  
OR =  $\exp(3.07)$   
= 21.50

$$\log_e(odds[event]) = \beta_0 + \beta_{coffee}x_{coffee} + \beta_{smoking}x_{smoking}$$