

Errata

1. **Throughout the book:** The homepage of Alan Agresti has been changed from www.stat.ufl.edu/~aa to www.alanagresti.com.

2. **Section 2.3.6, p. 58:**

$$P(Y_f = 1 | \mathbf{y}) = f(1 | \mathbf{y}) = E(\pi | \mathbf{y}) = (y + 1)/(n + 2).$$

should be

$$P(Y_f = 1 | \mathbf{y}) = f(1 | \mathbf{y}) = E(\pi | \mathbf{y}) = (y + 1)/(n + 2).$$

3. **Section A.6.1, p. 335:**

```
> B0 <- c(0, 0.2, -0.2) # beta vector prior mean
> B.V <- diag(100^2, 0.1^2, 0.1^2) # beta vector prior covariance matrix (Sigma_0)
> fit <- Gibbs.regression(x.in, y.in, NULL, Nsamples, intercept=TRUE, # default invGamma
  trace = "bsmt", fix = "xy", B.prior.mean=B0, B.prior.cov=B.V) # for sigma^2
> beta0 <- fit$B[1, 1, -(1: 1000)] # warm-up = 1000
> beta1 <- fit$B[2, 1, -(1: 1000)]
> beta2 <- fit$B[3, 1, -(1: 1000)]
> sigma2 <- fit$Sigma[1, 1, -(1: 1000)]
> chains <- 4
> rep <- 1
> while(rep < 4){
> fit <- Gibbs.regression(x.in, y.in, NULL, Nsamples, intercept = TRUE,
  trace = "bsmt", fix = "xy", B.prior.mean=B0, B.prior.cov=B.V,
  Sigma.prior.scale=NULL, Sigma.prior.dof=-1)
> beta0 <- c(beta0, fit$B[1, 1, -(1:1000)])
> beta1 <- c(beta1, fit$B[2, 1, -(1:1000)])
> beta2 <- c(beta2, fit$B[3, 1, -(1:1000)])
> sigma2 <- c(sigma2, fit$Sigma[1, 1, -(1:1000)])
> rep = rep + 1}
```

should be

```
> B0 <- c(0, 0.2, -0.2) # beta vector prior mean
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+ beta0 <- c(beta0, fit$B[1, 1, -(1:1000)])
+ beta1 <- c(beta1, fit$B[2, 1, -(1:1000)])
+ beta2 <- c(beta2, fit$B[3, 1, -(1:1000)])
+ sigma2 <- c(sigma2, fit$Sigma[1, 1, -(1:1000)])
+ rep = rep + 1}
```

4. **Section B.5.11, p. 388:**

Please change in the first block of code the line

url = "<http://www.stat.ufl.edu/~aa/cat/data/Smoking.dat>" by

url = "<https://bayes4ds.rwth-aachen.de/data/Smoking.dat>"