

## Datasets

### College data

College Data	
Variable Name	Description
Private	Private or public university
Apps*	Number of applicants received
Accept*	Number of applications accepted
Enroll*	Number of new students enrolled
Top10perc	Pct. new students from top 10% of high school class
Top25perc	Pct. new students from top 25% of high school class
F.Undergrad*	Number of full-time undergrads
P.Undergrad*	Number of part-time undergrads
Outstate*	Out-of-state tuition
Room.Board*	Room and board costs
Books*	Estimated book costs
Personal*	Estimated personal spending
PhD	Pct. of faculty with Ph.D.'s
Terminal	Pct. of faculty with terminal degree
S.F.Ratio	Student/faculty ratio
perc.alumni	Pct. alumni who donate
Expend*	Instructional expenditure per student
Grad.Rate	Graduation rate

Description of the college data. Variables marked with an asterisk have been log transformed.

## Cervical cancer risk data

Cervical cancer Data	
Variable Name	Description
Age*	Age in years
No_sex_part*	Number of sexual partners
First_sex_inter*	Age, in years, of first sexual intercourse
No_preg*	Number of pregnancies
Smokes_yrs*	Number of years smoking
Smokes_pcks_yr*	Number of packs smoked in a year
Horm_Cont_yrs*	Hormonal contraceptives (in years)
IUD_yrs*	Number of years with an intrauterine device
STDs_No*	Number of STD diagnoses
STDs_condy	STDs: condylomatosis
STDs_syph	STDs: syphilis
STDs_HIV	STDs: HIV
Dx.Cancer	Previous cancer diagnosis
Dx.HPV	Previous HPV diagnosis
Biopsy	Biopsy results, either Healthy or Cancer

Description of the cervical cancer data. Variables marked with an asterisk have been  $\log(x + 1)$  transformed.