

# EAS508-HW4

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## Lab Code Homework

### 5.3 Cross Validation Labs

#### 5.3.1 Validation Set Approach

```
# Setting the seed and loading the data
```

```
library(ISLR2)
set.seed(1)
train <- sample(392,196)
```

```
# Fitting a linear regression on the train data using subset option
```

```
lm.fit <- lm(mpg ~ horsepower, data = Auto, subset = train)
```

```
# Predicting the estimates for the 392 observations and calculate the MSE for 192 observations
```

```
mean((Auto$mpg - predict(lm.fit, Auto))[-train]^2)
```

```
## [1] 23.26601
```

```
# Fitting cubic regression and calculating the MSE
```

```
lm.fit2 <- lm(mpg ~poly(horsepower, 2), data = Auto, subset = train)
```

```
mean((Auto$mpg - predict(lm.fit2, Auto))[-train]^2)
```

```
## [1] 18.71646
```

```
# Fitting quadratic regression and calculating the MSE
```

```
lm.fit3 <- lm(mpg ~ poly(horsepower, 3), data = Auto, subset = train)
```

```
mean((Auto$mpg - predict(lm.fit3, Auto))[-train]^2)
```

```
## [1] 18.79401
```

```

# Using different seed and calculating the values for all the three regressions - will result into dif

set.seed(2)
train <- sample(392,196)

# Linear regression MSE

lm.fit <- lm(mpg ~ horsepower, data = Auto, subset = train)

mean((Auto$mpg - predict(lm.fit, Auto))[-train]^2)

## [1] 25.72651

```

```

# Cubic regression MSE

lm.fit2 <- lm(mpg ~poly(horsepower, 2), data = Auto, subset = train)

mean((Auto$mpg - predict(lm.fit2, Auto))[-train]^2)

## [1] 20.43036

```

```

# Quadratic regression MSE

lm.fit3 <- lm(mpg ~poly(horsepower, 3), data = Auto, subset = train)

mean((Auto$mpg - predict(lm.fit3, Auto))[-train]^2)

## [1] 20.38533

```

### 5.3.2 Leave One-Out Cross-Validation

```

# LOOCV using glm() package

glm.fit <- glm(mpg ~ horsepower, data = Auto)

coef(glm.fit)

## (Intercept)  horsepower
## 39.9358610 -0.1578447

```

```

# LOOCV using normal lm() function

lm.fit <- lm(mpg ~ horsepower, data = Auto)

coef(lm.fit)

## (Intercept)  horsepower
## 39.9358610 -0.1578447

```

```
# Cross-validation error using glm() package
```

```
library(boot)
```

```
glm.fit <- glm(mpg ~ horsepower, data = Auto)
```

```
cv.err <- cv.glm(Auto, glm.fit)
```

```
cv.err$delta
```

```
## [1] 24.23151 24.23114
```

```
# Calculating CV error for polynomial of order 1 to 10 using a for loop.
```

```
cv.error <- rep(0,10)
```

```
for (i in 1:10) {
```

```
  glm.fit <- glm(mpg ~ poly(horsepower, i), data = Auto)
```

```
  cv.error[i] <- cv.glm(Auto, glm.fit)$delta[1]
```

```
}
```

```
cv.error
```

```
## [1] 24.23151 19.24821 19.33498 19.42443 19.03321 18.97864 18.83305 18.96115
```

```
## [9] 19.06863 19.49093
```

### 5.3.3 k-Fold Cross Validation

```
# Calculating k-fold CV error for polynomial of order 1 to 10 with k = 10
```

```
set.seed(17)
```

```
cv.error.10 <- rep(0,10)
```

```
for (i in 1:10) {
```

```
  glm.fit <- glm(mpg ~ poly(horsepower, i), data = Auto)
```

```
  cv.error.10[i] <- cv.glm(Auto, glm.fit, K = 10)$delta[1]
```

```
}
```

```
cv.error.10
```

```
## [1] 24.27207 19.26909 19.34805 19.29496 19.03198 18.89781 19.12061 19.14666
```

```
## [9] 18.87013 20.95520
```

### 6.5.3 PCR and PLS Regression

```

# Creating model matrix for x and storing all salary values in y

# Omitting NA values

Hitters <- na.omit(Hitters)

x <- model.matrix(Salary ~ ., Hitters)[, -1]
y <- Hitters$Salary

# Creating train and test by setting the R seed

set.seed(1)
train <- sample(1:nrow(x), nrow(x) / 2)
test <- (-train)
y.test <- y[test]

```

```

# Applying PCR to Hitters data to predict Salary

library(pls)

```

## Principal Components Regression

```

##
## Attaching package: 'pls'

## The following object is masked from 'package:stats':
##
##   loadings

```

```

set.seed(2)
pcr.fit <- pcr(Salary ~., data = Hitters, scale = TRUE, validation = "CV")

```

```

# Checking summary of our fit

```

```

summary(pcr.fit)

```

```

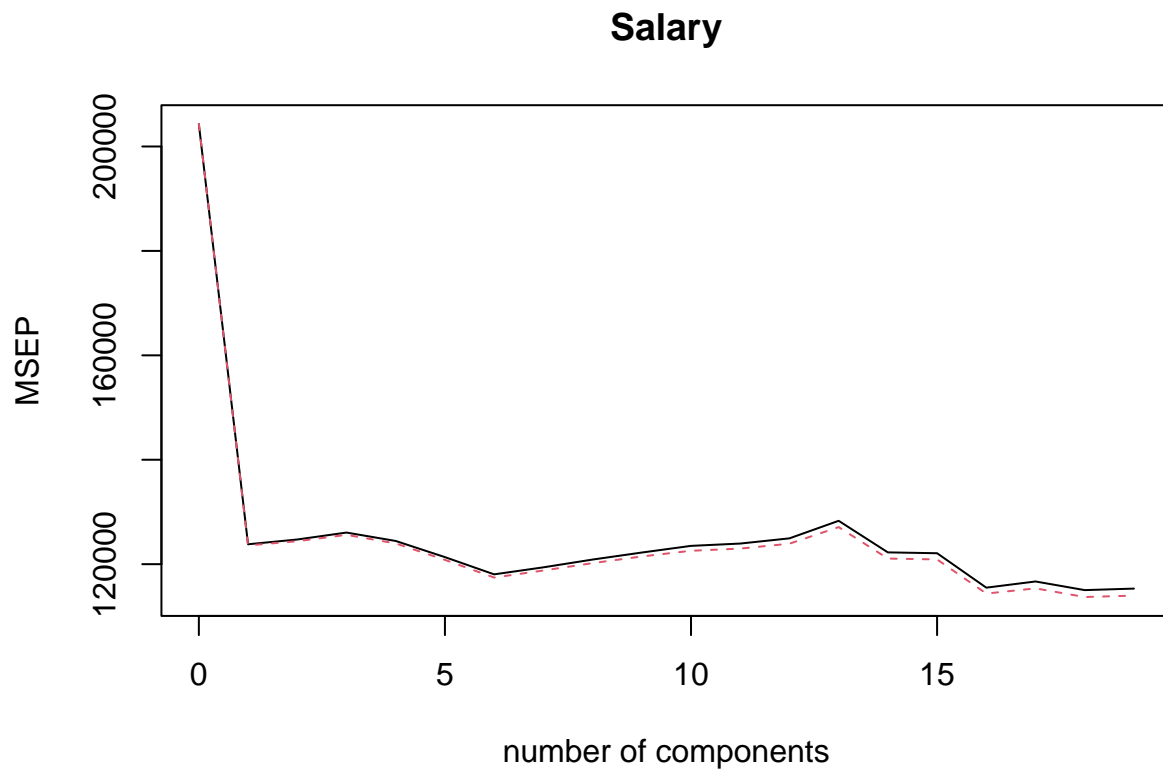
## Data:      X dimension: 263 19
## Y dimension: 263 1
## Fit method: svdpc
## Number of components considered: 19
##
## VALIDATION: RMSEP
## Cross-validated using 10 random segments.
##      (Intercept)  1 comps  2 comps  3 comps  4 comps  5 comps  6 comps
## CV              452    351.9    353.2    355.0    352.8    348.4    343.6
## adjCV           452    351.6    352.7    354.4    352.1    347.6    342.7
##      7 comps  8 comps  9 comps 10 comps 11 comps 12 comps 13 comps
## CV       345.5    347.7    349.6    351.4    352.1    353.5    358.2

```

```
## adjCV      344.7      346.7      348.5      350.1      350.7      352.0      356.5
##           14 comps  15 comps  16 comps  17 comps  18 comps  19 comps
## CV         349.7      349.4      339.9      341.6      339.2      339.6
## adjCV      348.0      347.7      338.2      339.7      337.2      337.6
##
## TRAINING: % variance explained
##           1 comps  2 comps  3 comps  4 comps  5 comps  6 comps  7 comps  8 comps
## X           38.31    60.16    70.84    79.03    84.29    88.63    92.26    94.96
## Salary      40.63    41.58    42.17    43.22    44.90    46.48    46.69    46.75
##           9 comps 10 comps 11 comps 12 comps 13 comps 14 comps 15 comps
## X           96.28    97.26    97.98    98.65    99.15    99.47    99.75
## Salary      46.86    47.76    47.82    47.85    48.10    50.40    50.55
##          16 comps 17 comps 18 comps 19 comps
## X           99.89    99.97    99.99    100.00
## Salary      53.01    53.85    54.61    54.61
```

```
# Plotting cross-validation MSE
```

```
validationplot(pcr.fit, val.type = "MSEP")
```

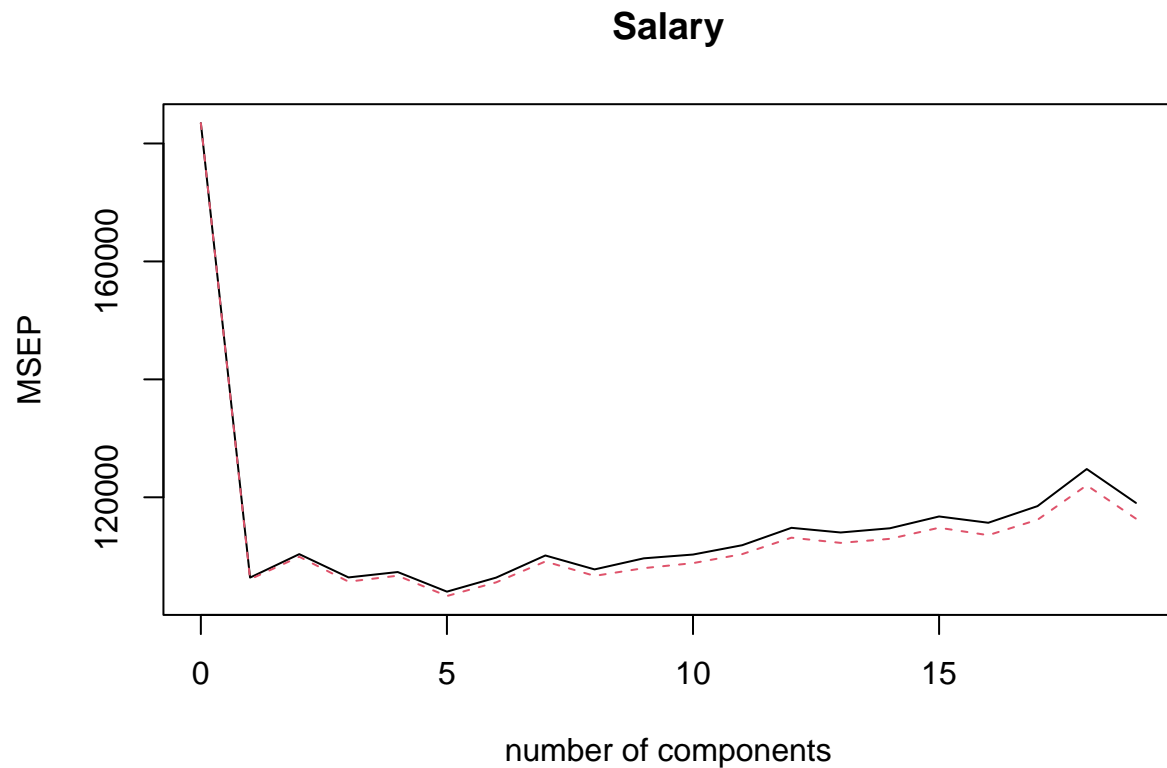


```
# Performing PCR on the training data using subset function and plotting the CV MSE
```

```
set.seed(1)
```

```
pcr.fit <- pcr(Salary ~., data = Hitters, subset = train, scale = TRUE, validation = "CV")
```

```
validationplot(pcr.fit, val.type = "MSEP")
```



```
# Find the lowest CV error when M = 5
```

```
pcr.pred <- predict(pcr.fit, x[test, ], ncomp = 5)
```

```
mean((pcr.pred - y.test)^2)
```

```
## [1] 142811.8
```

```
# Fit PCR on complete dataset using M = 5 identified by CV
```

```
pcr.fit <- pcr(y~x, scale = TRUE, ncomp = 5)
```

```
summary(pcr.fit)
```

```
## Data:      X dimension: 263 19
```

```
## Y dimension: 263 1
```

```
## Fit method: svdpc
```

```
## Number of components considered: 5
```

```
## TRAINING: % variance explained
```

```
##      1 comps  2 comps  3 comps  4 comps  5 comps
```

```
## X      38.31   60.16   70.84   79.03   84.29
```

```
## y      40.63   41.58   42.17   43.22   44.90
```

```
# Implement PLS using plsr() function
```

```
set.seed(1)
pls.fit <- plsr(Salary ~ ., data = Hitters, subset = train, scale = TRUE, validation = "CV")
summary(pls.fit)
```

## Partial Least Squares

```
## Data:      X dimension: 131 19
## Y dimension: 131 1
## Fit method: kernelppls
## Number of components considered: 19
##
## VALIDATION: RMSEP
## Cross-validated using 10 random segments.
##      (Intercept)  1 comps  2 comps  3 comps  4 comps  5 comps  6 comps
## CV           428.3   325.5   329.9   328.8   339.0   338.9   340.1
## adjCV        428.3   325.0   328.2   327.2   336.6   336.1   336.6
##      7 comps  8 comps  9 comps 10 comps 11 comps 12 comps 13 comps
## CV           339.0   347.1   346.4   343.4   341.5   345.4   356.4
## adjCV        336.2   343.4   342.8   340.2   338.3   341.8   351.1
##      14 comps 15 comps 16 comps 17 comps 18 comps 19 comps
## CV           348.4   349.1   350.0   344.2   344.5   345.0
## adjCV        344.2   345.0   345.9   340.4   340.6   341.1
##
## TRAINING: % variance explained
##      1 comps  2 comps  3 comps  4 comps  5 comps  6 comps  7 comps  8 comps
## X           39.13   48.80   60.09   75.07   78.58   81.12   88.21   90.71
## Salary      46.36   50.72   52.23   53.03   54.07   54.77   55.05   55.66
##      9 comps 10 comps 11 comps 12 comps 13 comps 14 comps 15 comps
## X           93.17   96.05   97.08   97.61   97.97   98.70   99.12
## Salary      55.95   56.12   56.47   56.68   57.37   57.76   58.08
##      16 comps 17 comps 18 comps 19 comps
## X           99.61   99.70   99.95  100.00
## Salary      58.17   58.49   58.56   58.62
```

```
# Evaluating the corresponding test set MSE
```

```
pls.pred <- predict(pls.fit, x[test, ], ncomp = 1)
mean((pls.pred - y.test)^2)
```

```
## [1] 151995.3
```

```
# Fitting PLS on complete dataset when M = 1
```

```
pls.fit <- plsr(Salary ~ ., data = Hitters, scale = TRUE, ncomp = 1)
summary(pls.fit)
```

```
## Data:      X dimension: 263 19
## Y dimension: 263 1
## Fit method: kernelppls
## Number of components considered: 1
## TRAINING: % variance explained
##          1 comps
## X          38.08
## Salary     43.05
```

### 7.8.3 GAMs

```
# Fit a GAM or predict wage using natural spline functions of years and age.
```

```
gam1 <- lm(wage ~ splines::ns(year, 4) + splines::ns(age, 5) + education, data = Wage)
```

```
# Fit the model using smoothing splines
```

```
library(gam)
```

```
## Loading required package: splines
```

```
## Loading required package: foreach
```

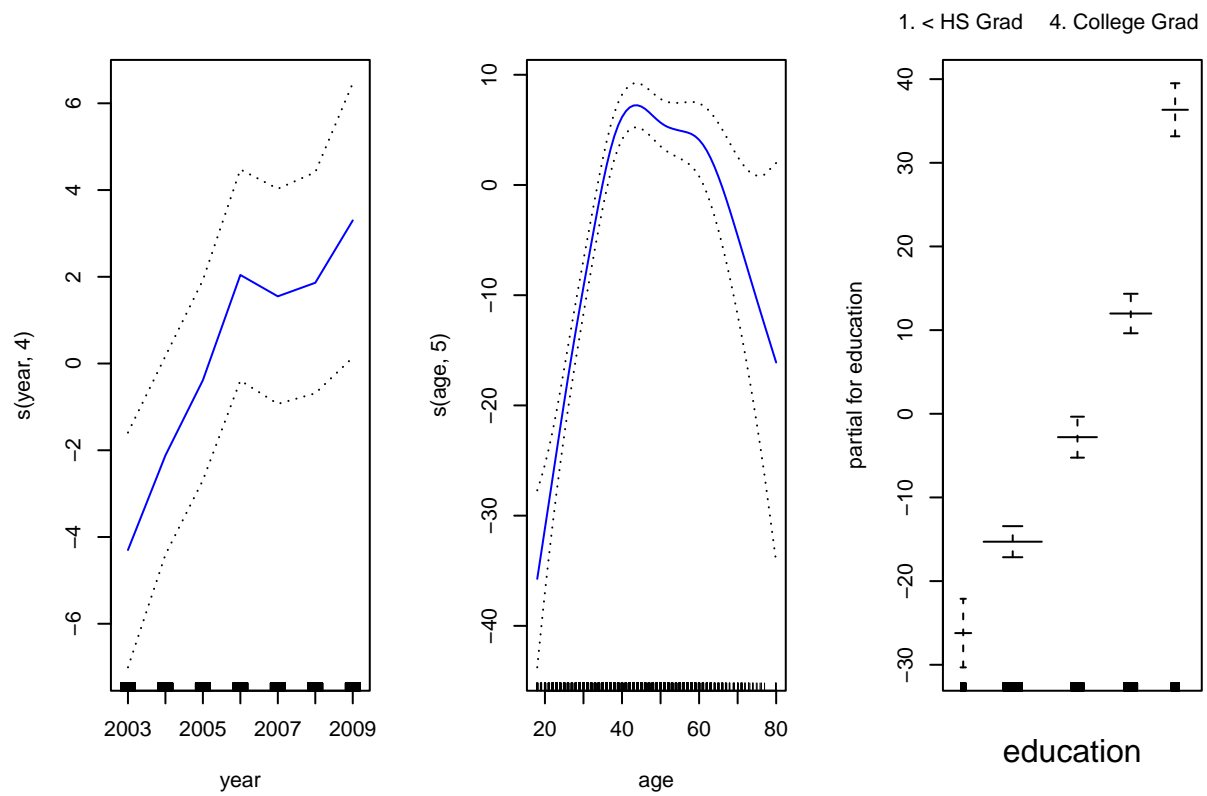
```
## Loaded gam 1.20.2
```

```
gam.m3 <- gam(wage ~ s(year, 4) + s(age, 5) + education, data = Wage)
```

```
# Plot the model
```

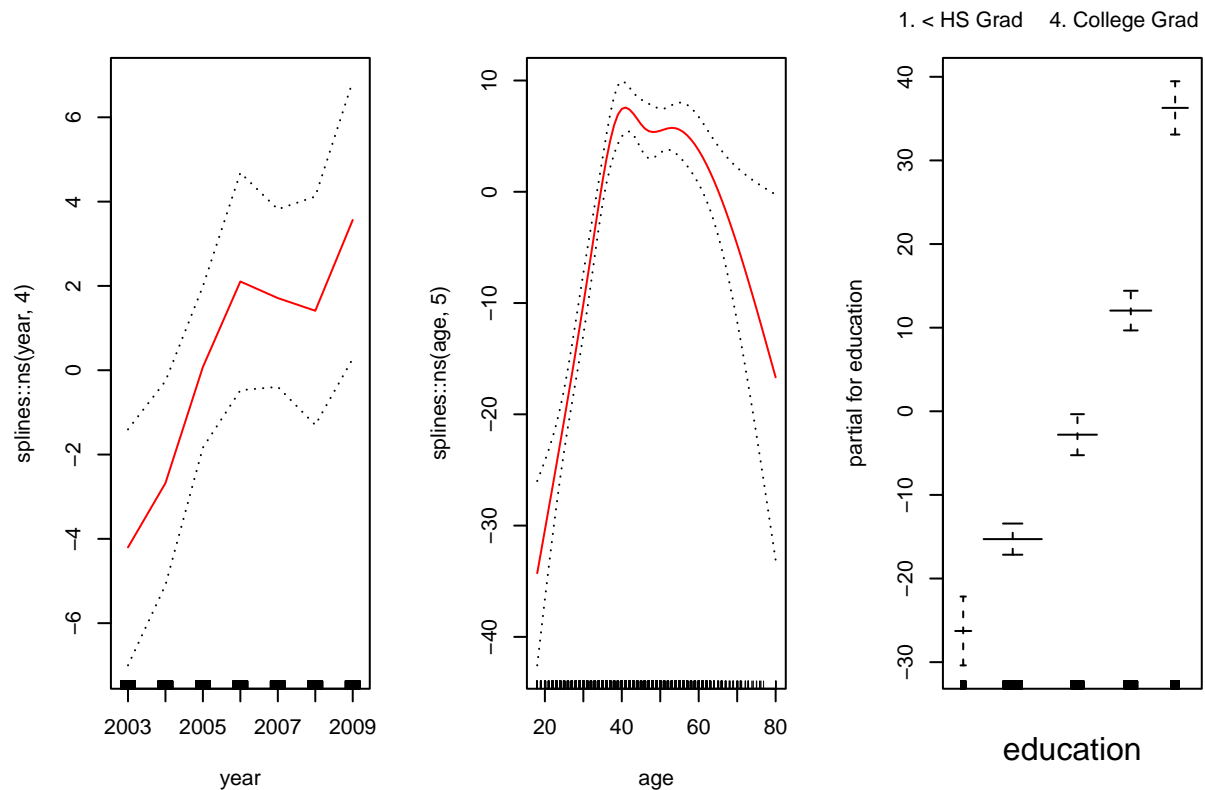
```
par(mfrow = c(1,3))
plot(gam.m3, se = TRUE, col = "blue")
```





```
# Plotting the GAM created using lm

par(mfrow = c(1,3))
plot.Gam(gam1, se = TRUE, col = "red")
```



```
# Performing ANOVA test to determine the best model
```

```
gam.m1 <- gam(wage ~ s(age, 5) + education, data = Wage)
gam.m2 <- gam(wage ~ year + s(age, 5) + education, data = Wage)

anova(gam.m1, gam.m2, gam.m3, test = "F")
```

```
## Analysis of Deviance Table
```

```
##
```

```
## Model 1: wage ~ s(age, 5) + education
```

```
## Model 2: wage ~ year + s(age, 5) + education
```

```
## Model 3: wage ~ s(year, 4) + s(age, 5) + education
```

```
##   Resid. Df Resid. Dev Df Deviance      F    Pr(>F)
```

```
## 1      2990    3711731
```

```
## 2      2989    3693842  1  17889.2 14.4771 0.0001447 ***
```

```
## 3      2986    3689770  3   4071.1  1.0982 0.3485661
```

```
## ---
```

```
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
# summary of gam.m3
```

```
summary(gam.m3)
```

```
##
```

```
## Call: gam(formula = wage ~ s(year, 4) + s(age, 5) + education, data = Wage)
```

```
## Deviance Residuals:
##      Min       1Q   Median       3Q      Max
## -119.43  -19.70   -3.33   14.17  213.48
##
## (Dispersion Parameter for gaussian family taken to be 1235.69)
##
##      Null Deviance: 5222086 on 2999 degrees of freedom
## Residual Deviance: 3689770 on 2986 degrees of freedom
## AIC: 29887.75
##
## Number of Local Scoring Iterations: NA
##
## Anova for Parametric Effects
##           Df Sum Sq Mean Sq F value    Pr(>F)
## s(year, 4)   1   27162    27162   21.981 2.877e-06 ***
## s(age, 5)    1  195338   195338  158.081 < 2.2e-16 ***
## education    4 1069726   267432  216.423 < 2.2e-16 ***
## Residuals 2986 3689770     1236
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Anova for Nonparametric Effects
##           Npar Df Npar F    Pr(F)
## (Intercept)
## s(year, 4)         3  1.086 0.3537
## s(age, 5)         4 32.380 <2e-16 ***
## education
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
# Using the predict method for class GAM
```

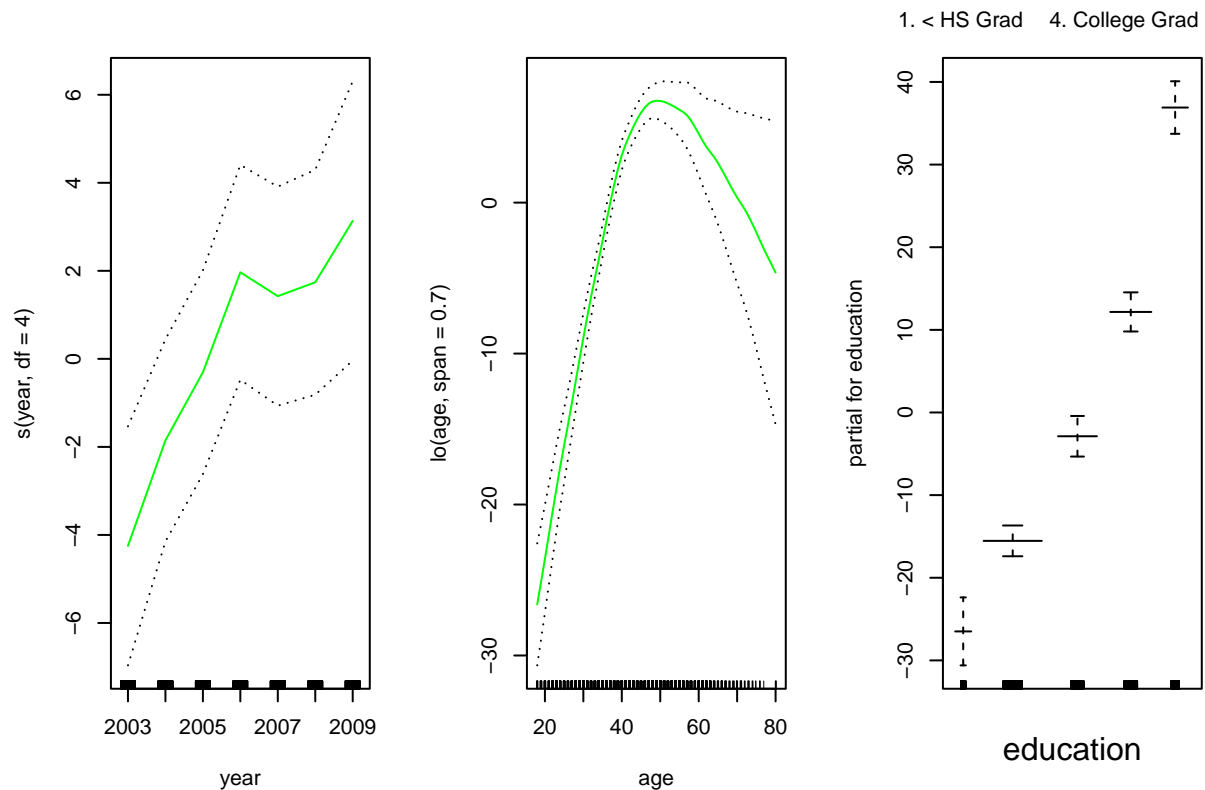
```
preds <- predict(gam.m2, newdata = Wage)
```

```
# Using local regression fits in GAM using lo()
```

```
gam.lo <- gam(wage ~ s(year, df = 4) + lo(age, span = 0.7) + education, data = Wage)
```

```
par(mfrow = c(1,3))
```

```
plot.Gam(gam.lo, se = TRUE, col = "green")
```



```
# Using lo() to create interactions before calling gam
```

```
gam.lo.i <- gam(wage ~ lo(year, age, span = 0.5) + education, data = Wage)
```

```
## Warning in lo.wam(x, z, wz, fit$smooth, which, fit$smooth.frame, bf.maxit, : liv
## too small. (Discovered by lowesd)
```

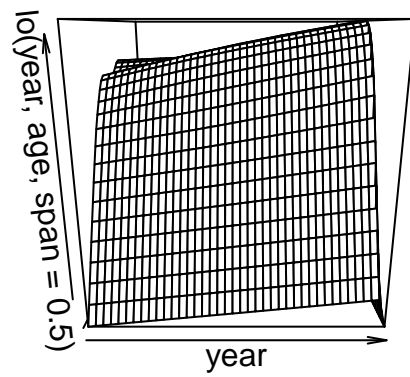
```
## Warning in lo.wam(x, z, wz, fit$smooth, which, fit$smooth.frame, bf.maxit, : lv
## too small. (Discovered by lowesd)
```

```
## Warning in lo.wam(x, z, wz, fit$smooth, which, fit$smooth.frame, bf.maxit, : liv
## too small. (Discovered by lowesd)
```

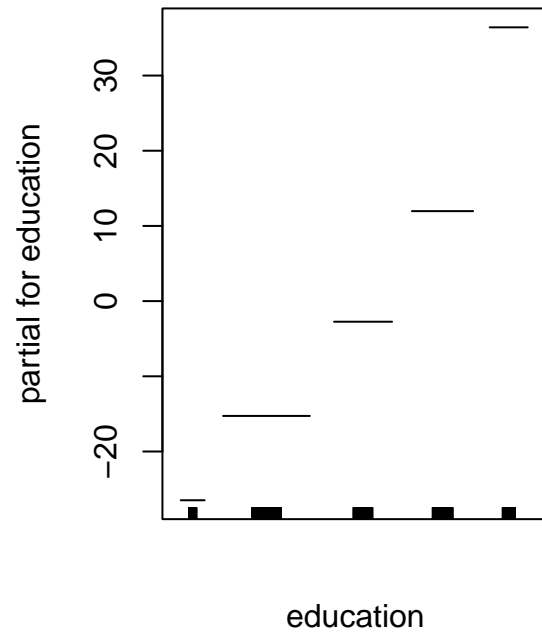
```
## Warning in lo.wam(x, z, wz, fit$smooth, which, fit$smooth.frame, bf.maxit, : lv
## too small. (Discovered by lowesd)
```

```
# Plotting the 2D surface using akima package
```

```
library(akima)
par(mfrow = c(1,2))
plot(gam.lo.i)
```



1. < HS Grad    4. College Grad

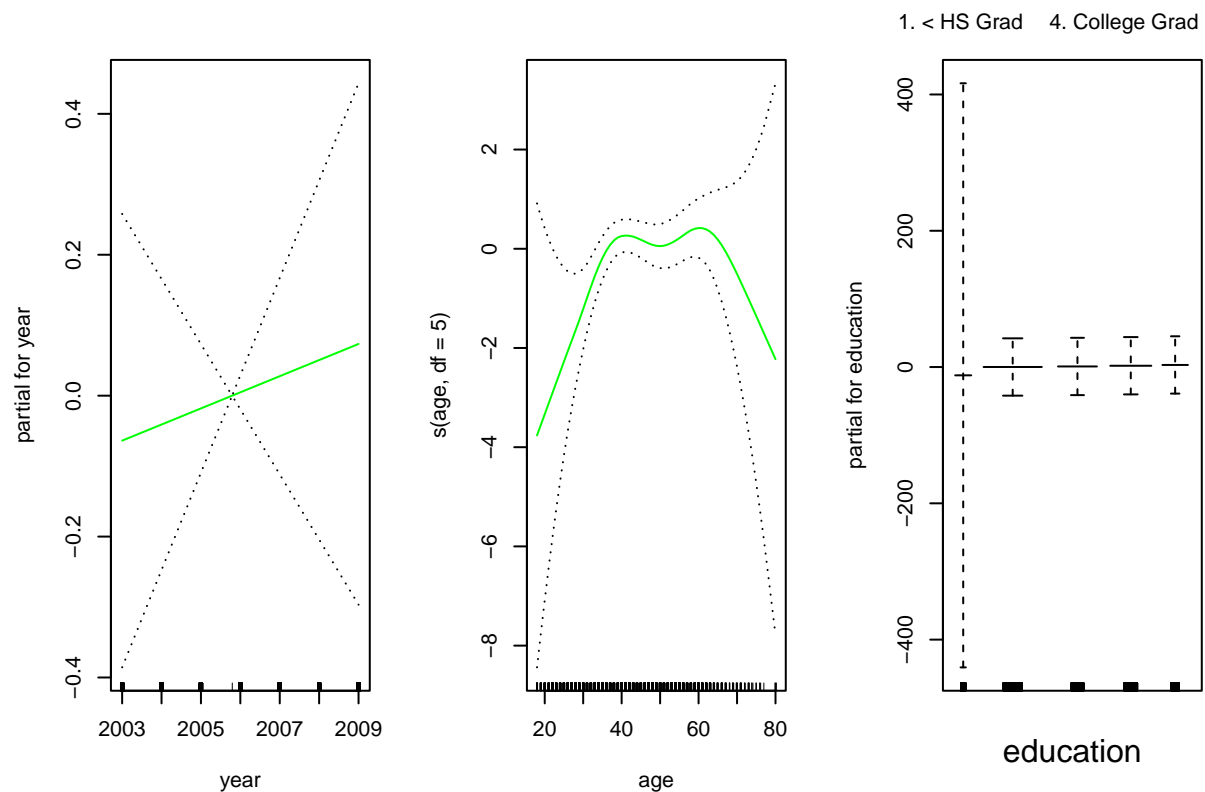


*# Fitting a logistic regression GAM using I() function*

```
gam.lr <- gam(I(wage > 250) ~ year + s(age, df = 5) + education, family = binomial, data = Wage)
```

```
par(mfrow = c(1,3))
```

```
plot(gam.lr, se = TRUE, col = "green")
```



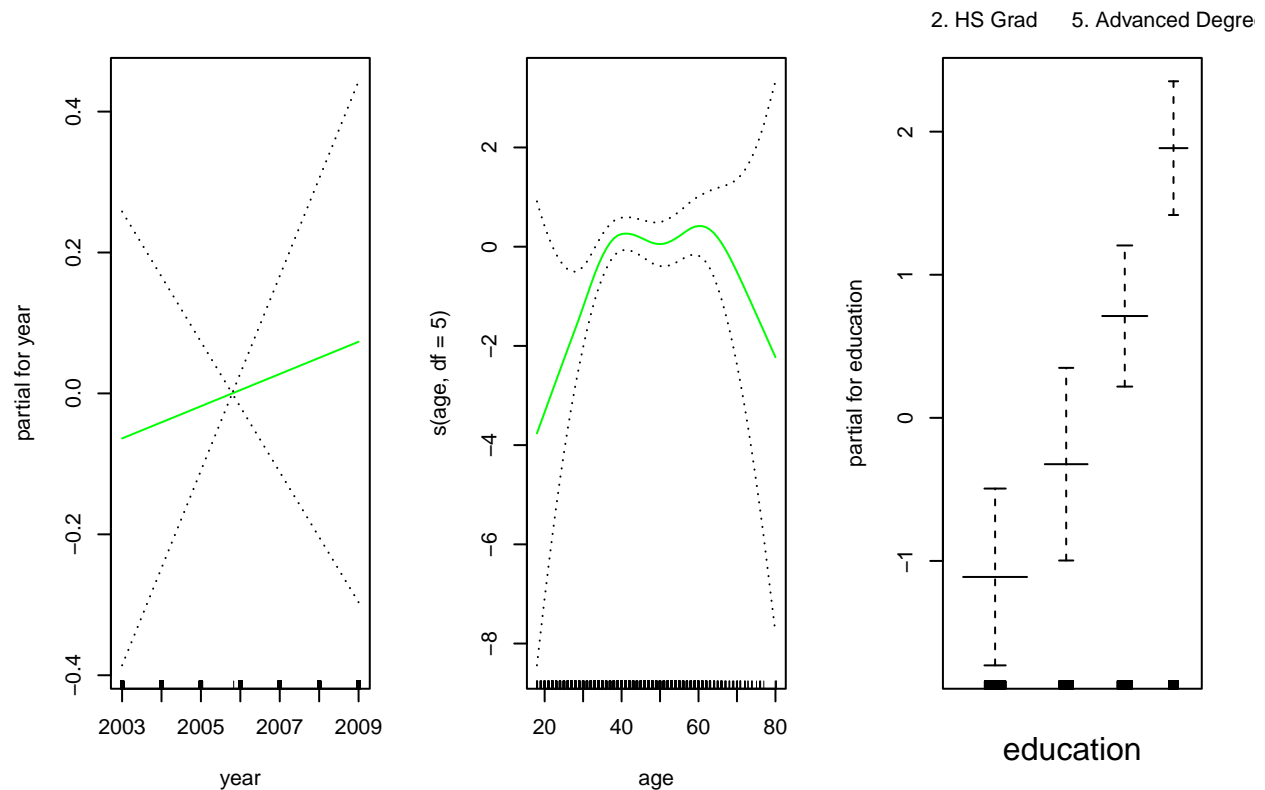
```
# Create a table with high earners in the < HS category
```

```
attach(Wage)
table(education, I(wage > 250))
```

```
##
## education      FALSE TRUE
## 1. < HS Grad    268    0
## 2. HS Grad     966    5
## 3. Some College 643    7
## 4. College Grad 663   22
## 5. Advanced Degree 381  45
```

```
# Fitting a logsitic regression GAM by skipping the education category
```

```
gam.lr.s <- gam( I(wage > 250) ~ year + s(age, df = 5) + education, family = binomial, subset = (educat.
par(mfrow = c(1,3))
plot(gam.lr.s, se = TRUE, col = "green")
```



#### 5.4 Q8 - Perform cross-validation on a simulated data set.

(a) Generate a simulated data set as follows:

```
# Generate a simulated data set

set.seed(1)

x <- rnorm(100)
y <- x - 2 * x^2 + rnorm(100)
```

As we have one predictor coefficient and 100 observations (as `rnorm(100)` is used) , our  $n = 1$  and  $p = 100$   
 Our equation will be  $Y = x - 2x^2 + e$

(b) Create a scatterplot of X against Y. Comment on what you find.

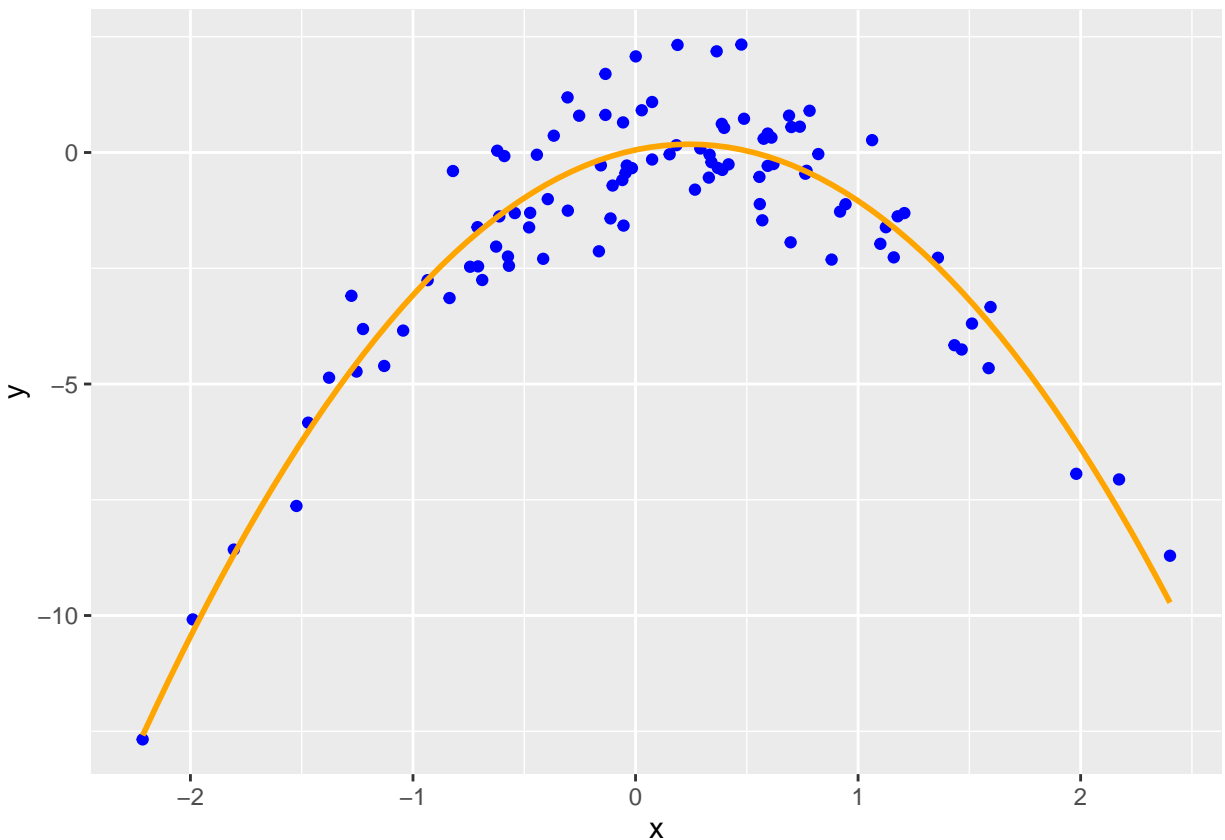
```
# Scatterplot of X against Y.

myfun <- function(x) {
  x - 2 * x^2
}
```

```
# Using ggplot2 to plot a scatterplot
```

```
library(ggplot2)
```

```
ggplot(mapping = aes(x = x, y = y)) +  
  geom_point(colour = "blue") +  
  geom_smooth(method = "lm", formula = "y ~ x + I(x^2)", se = FALSE, colour = "orange")
```



```
#
```

As we can see, our equation creates a concave down parabola and we can notice a little bit of noise at the vertex of our parabola. The points with the support of our curve also suggests the existence of a curved relationship which hints to a quadratic relationship.

**(c) Set a random seed, and then compute then LOOCV errors that result from fitting the following four models using least squares:**

As we can see from all the models, they start from polynomial order 1 to order 4, so we can use a loop to compute all the LOOCV errors.

Let's create a data frame out of our x and y values.

```
# Creating a data frame using random seed
```

```
set.seed(25)
```

```
data <- data.frame(x = x, y = y)
```



```

# Computing LOOCV errors from polynomial order 1 to 4.

loocv.error <- rep(0,4)

for (i in 1:4) {

  glm.fit <- glm(y ~ poly(x, i), data = data)
  loocv.error[i] <- cv.glm(data, glm.fit)$delta[1]

}

poly_order <- c("Order 1", "Order 2", "Order 3", "Order 4")

setNames(loocv.error, poly_order)

```

```

##   Order 1   Order 2   Order 3   Order 4
## 7.2881616 0.9374236 0.9566218 0.9539049

```

(d) Repeat (c) using another random seed, and report your results. Are your results the same as what you got in (c)? Why?

```

# Changing seed and repeating the steps

set.seed(50)

loocv.error <- rep(0,4)

for (i in 1:4) {

  glm.fit <- glm(y ~ poly(x, i), data = data)
  loocv.error[i] <- cv.glm(data, glm.fit)$delta[1]

}

poly_order <- c("Order 1", "Order 2", "Order 3", "Order 4")

setNames(loocv.error, poly_order)

```

```

##   Order 1   Order 2   Order 3   Order 4
## 7.2881616 0.9374236 0.9566218 0.9539049

```

We get exact same error values with a random seed and this is because in LOOCV there is no element of randomness i.e. we will always have the same LOOCV error values every time.

(e) Which of the models in (c) had the smallest LOOCV error? Is that what you expected? Explain your answer.

We see that the the lowest value of LOOCV error is at Order 2 which is **0.937** which is not much surprising to see as the scatter plot which we created in (b) already hinted to a quadratic relationship.

(f) Comment on the statistical significance of the coefficient estimates that results from fitting each of the models in (c) using least squares. Do these results agree with the conclusions drawn based on the cross-validation results ?

```
# Looking at coefficients significant for all the order models, can be seen in order 4 polynomial regression
```

```
glm.fit4 <- glm(y ~ poly(x, 4), data = data)
```

```
summary(glm.fit)
```

```
##
## Call:
## glm(formula = y ~ poly(x, i), data = data)
##
## Deviance Residuals:
##      Min       1Q   Median       3Q      Max
## -2.0550  -0.6212  -0.1567   0.5952   2.2267
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -1.55002    0.09591  -16.162 < 2e-16 ***
## poly(x, i)1    6.18883    0.95905   6.453 4.59e-09 ***
## poly(x, i)2  -23.94830    0.95905  -24.971 < 2e-16 ***
## poly(x, i)3    0.26411    0.95905   0.275  0.784
## poly(x, i)4    1.25710    0.95905   1.311  0.193
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for gaussian family taken to be 0.9197797)
##
##      Null deviance: 700.852  on 99  degrees of freedom
## Residual deviance:  87.379  on 95  degrees of freedom
## AIC: 282.3
##
## Number of Fisher Scoring iterations: 2
```

## 6.6 Q9 - Predict the number of applications received using the other variables in the College data set.

(a) Split the data set into a training set and a test set.

```
# Cleaning data and splitting the dataset into train and test data
```

```
# Loading the necessary packages
```

```
library(ISLR)
```

```
##
## Attaching package: 'ISLR'
##
## The following object is masked _by_ '.GlobalEnv':
##
##      Hitters
##
## The following objects are masked from 'package:ISLR2':
##
##      Auto, Credit
```

```
library(glmnet)
```

```
## Loading required package: Matrix
```

```
## Loaded glmnet 4.1-4
```

```
library(pls)
```

```
# Removing NA values
```

```
College <- na.omit(College)
```

```
set.seed(49)
```

```
train_index <- sample(1:dim(College)[1], dim(College)[1] / 2)
```

```
test_index <- (-train_index)
```

```
train <- College[train_index, ]
```

```
test <- College[test_index, ]
```

```
train
```

| ##  | Private | Apps  | Accept | Enroll |
|---|---------|-------|--------|--------|
| ## North Central College                    | Yes     | 1127  | 884    | 308    |
| ## Gordon College                           | Yes     | 674   | 565    | 282    |
| ## Indiana University at Bloomington        | No      | 16587 | 13243  | 5873   |
| ## Juniata College                          | Yes     | 1005  | 859    | 298    |
| ## Niagara University                       | Yes     | 2220  | 1796   | 467    |
| ## Point Park College                       | Yes     | 875   | 744    | 207    |
| ## College of Saint Benedict                | Yes     | 938   | 864    | 511    |
| ## Capital University                       | Yes     | 1747  | 1382   | 449    |
| ## University of Massachusetts at Dartmouth | No      | 3347  | 2597   | 1006   |
| ## Cedar Crest College                      | Yes     | 776   | 607    | 198    |
| ## Canisius College                         | Yes     | 2853  | 2193   | 753    |
| ## Elmira College                           | Yes     | 1457  | 1045   | 345    |
| ## Longwood College                         | No      | 2747  | 1870   | 724    |
| ## New York University                      | Yes     | 13594 | 7244   | 2505   |
| ## University of Southern Mississippi       | No      | 2850  | 2044   | 1046   |
| ## Augsburg College                         | Yes     | 662   | 513    | 257    |
| ## Huron University                         | Yes     | 600   | 197    | 124    |
| ## Southwestern College                     | Yes     | 213   | 155    | 75     |
| ## College of Santa Fe                      | Yes     | 546   | 447    | 189    |
| ## Simmons College                          | Yes     | 1003  | 782    | 295    |
| ## Daniel Webster College                   | Yes     | 585   | 508    | 153    |
| ## Southern California College              | Yes     | 385   | 340    | 193    |
| ## Marywood College                         | Yes     | 1107  | 859    | 323    |
| ## Maryville College                        | Yes     | 1464  | 888    | 176    |
| ## Stetson University                       | Yes     | 1557  | 1227   | 489    |
| ## Webster University                       | Yes     | 665   | 462    | 226    |
| ## North Dakota State University            | No      | 2968  | 2297   | 1610   |
| ## Wayne State College                      | No      | 1373  | 1373   | 724    |

|   |     |       |       |      |
|---|-----|-------|-------|------|
| ## North Park College                         | Yes | 465   | 361   | 176  |
| ## King's College                             | Yes | 1456  | 1053  | 381  |
| ## University of Wisconsin at Madison         | No  | 14901 | 10932 | 4631 |
| ## Dickinson State University                 | No  | 434   | 412   | 319  |
| ## Washington State University                | No  | 6540  | 5839  | 2440 |
| ## Eastern Mennonite College                  | Yes | 486   | 440   | 227  |
| ## University of Tennessee at Knoxville       | No  | 7473  | 5372  | 3013 |
| ## Mount Vernon Nazarene College              | Yes | 510   | 485   | 334  |
| ## University of Kansas                       | No  | 8579  | 5561  | 3681 |
| ## Rowan College of New Jersey                | No  | 3820  | 1431  | 695  |
| ## Lyndon State College                       | No  | 535   | 502   | 223  |
| ## Hastings College                           | Yes | 817   | 708   | 262  |
| ## Ohio University                            | No  | 11023 | 8298  | 3183 |
| ## George Washington University               | Yes | 7875  | 5062  | 1492 |
| ## St. Martin's College                       | Yes | 191   | 165   | 63   |
| ## Western Washington University              | No  | 5548  | 3563  | 1549 |
| ## University of Wisconsin at Milwaukee       | No  | 5244  | 3782  | 1930 |
| ## Capitol College                            | Yes | 100   | 90    | 35   |
| ## Marymount College Tarrytown                | Yes | 478   | 327   | 117  |
| ## Westminster College PA                     | Yes | 1738  | 1373  | 417  |
| ## University of Oklahoma                     | No  | 4743  | 3970  | 2233 |
| ## Texas Wesleyan University                  | Yes | 592   | 501   | 279  |
| ## University of Puget Sound                  | Yes | 4044  | 2826  | 688  |
| ## Washington College                         | Yes | 1209  | 942   | 214  |
| ## Point Loma Nazarene College                | Yes | 809   | 687   | 428  |
| ## California Lutheran University             | Yes | 563   | 247   | 247  |
| ## Northwest Missouri State University        | No  | 2729  | 2535  | 1257 |
| ## Berry College                              | Yes | 1858  | 1221  | 480  |
| ## Hope College                               | Yes | 1712  | 1483  | 624  |
| ## Bemidji State University                   | No  | 1208  | 877   | 546  |
| ## South Dakota State University              | No  | 2807  | 2589  | 1701 |
| ## Southwestern University                    | Yes | 1244  | 912   | 352  |
| ## Fairfield University                       | Yes | 4784  | 3346  | 781  |
| ## University of Cincinnati                   | No  | 6855  | 5553  | 2408 |
| ## Saint Cloud State University               | No  | 3971  | 3306  | 1921 |
| ## University of Charleston                   | Yes | 682   | 535   | 204  |
| ## Boston University                          | Yes | 20192 | 13007 | 3810 |
| ## Lenoir-Rhyne College                       | Yes | 979   | 743   | 259  |
| ## Colorado State University                  | No  | 9478  | 6312  | 2194 |
| ## Creighton University                       | Yes | 2967  | 2836  | 876  |
| ## George Fox College                         | Yes | 809   | 726   | 294  |
| ## Bethune Cookman College                    | Yes | 1646  | 1150  | 542  |
| ## University of Maryland at Baltimore County | No  | 4269  | 2594  | 985  |
| ## Georgia State University                   | No  | 3793  | 2341  | 1238 |
| ## Rivier College                             | Yes | 484   | 386   | 141  |
| ## Colorado College                           | Yes | 3207  | 1577  | 490  |
| ## University of Utah                         | No  | 5095  | 4491  | 2400 |
| ## University of Nebraska at Lincoln          | No  | 6277  | 6003  | 3526 |
| ## Georgian Court College                     | Yes | 348   | 281   | 127  |
| ## University of South Carolina at Columbia   | No  | 7693  | 5815  | 2328 |
| ## Marist College                             | Yes | 4731  | 3171  | 830  |
| ## James Madison University                   | No  | 11223 | 5285  | 2082 |
| ## Brenau University                          | Yes | 367   | 274   | 158  |
| ## Pacific Union College                      | Yes | 940   | 668   | 385  |

|   |     |       |       |      |
|---|-----|-------|-------|------|
| ## Defiance College                           | Yes | 571   | 461   | 174  |
| ## Husson College                             | Yes | 723   | 652   | 361  |
| ## Mount Saint Mary College                   | Yes | 1170  | 695   | 238  |
| ## Transylvania University                    | Yes | 759   | 729   | 244  |
| ## Eureka College                             | Yes | 560   | 454   | 113  |
| ## Siena College                              | Yes | 2961  | 1932  | 628  |
| ## Pace University                            | Yes | 8256  | 3750  | 1522 |
| ## College of Saint Rose                      | Yes | 983   | 664   | 249  |
| ## Gettysburg College                         | Yes | 3596  | 2466  | 575  |
| ## Mary Washington College                    | No  | 4350  | 2178  | 756  |
| ## Converse College                           | Yes | 440   | 407   | 149  |
| ## Belmont Abbey College                      | Yes | 632   | 494   | 129  |
| ## University of Minnesota at Duluth          | No  | 4192  | 3126  | 1656 |
| ## Concordia University CA                    | Yes | 688   | 497   | 144  |
| ## Washington University                      | Yes | 7654  | 5259  | 1254 |
| ## Northeast Missouri State University        | No  | 6040  | 4577  | 1620 |
| ## Scripps College                            | Yes | 855   | 632   | 139  |
| ## University of North Carolina at Greensboro | No  | 5191  | 4134  | 1500 |
| ## University of Michigan at Ann Arbor        | No  | 19152 | 12940 | 4893 |
| ## Albertson College                          | Yes | 587   | 479   | 158  |
| ## Arizona State University Main campus       | No  | 12809 | 10308 | 3761 |
| ## Hartwick College                           | Yes | 2083  | 1725  | 430  |
| ## Virginia State University                  | No  | 2996  | 2440  | 704  |
| ## University of Illinois - Urbana            | No  | 14939 | 11652 | 5705 |
| ## DePauw University                          | Yes | 1994  | 1656  | 495  |
| ## Linfield College                           | Yes | 1561  | 1188  | 458  |
| ## College Misericordia                       | Yes | 1432  | 888   | 317  |
| ## East Carolina University                   | No  | 9274  | 6362  | 2435 |
| ## Adelphi University                         | Yes | 2186  | 1924  | 512  |
| ## Florida International University           | No  | 3306  | 2079  | 1071 |
| ## Central Wesleyan College                   | Yes | 174   | 146   | 88   |
| ## Worcester State College                    | No  | 2197  | 1515  | 543  |
| ## St. Bonaventure University                 | Yes | 1489  | 1313  | 375  |
| ## Rutgers State University at Camden         | No  | 3366  | 1752  | 232  |
| ## Trinity College CT                         | Yes | 3058  | 1798  | 478  |
| ## Morris College                             | Yes | 882   | 730   | 330  |
| ## Quincy University                          | Yes | 1025  | 707   | 297  |
| ## Morningside College                        | Yes | 586   | 533   | 239  |
| ## Livingstone College                        | Yes | 900   | 473   | 217  |
| ## Carleton College                           | Yes | 2694  | 1579  | 489  |
| ## Sweet Briar College                        | Yes | 462   | 402   | 146  |
| ## Coe College                                | Yes | 1006  | 742   | 275  |
| ## Clemson University                         | No  | 8065  | 5257  | 2301 |
| ## University of Dubuque                      | Yes | 576   | 558   | 137  |
| ## Amherst College                            | Yes | 4302  | 992   | 418  |
| ## Brown University                           | Yes | 12586 | 3239  | 1462 |
| ## Ferrum College                             | Yes | 1339  | 1107  | 336  |
| ## Cazenovia College                          | Yes | 3847  | 3433  | 527  |
| ## College of St. Scholastica                 | Yes | 672   | 596   | 278  |
| ## Tusculum College                           | Yes | 626   | 372   | 145  |
| ## Eastern Connecticut State University       | No  | 2172  | 1493  | 564  |
| ## Our Lady of the Lake University            | Yes | 2308  | 1336  | 295  |
| ## Harvard University                         | Yes | 13865 | 2165  | 1606 |
| ## Dillard University                         | Yes | 1998  | 1376  | 651  |

|  |     |      |      |      |
|--|-----|------|------|------|
| ## University of Arkansas at Fayetteville  | No  | 3235 | 3108 | 2133 |
| ## Westminster College                     | Yes | 996  | 866  | 377  |
| ## University of Hartford                  | Yes | 5081 | 4040 | 1194 |
| ## Villanova University                    | Yes | 7759 | 5588 | 1477 |
| ## Buena Vista College                     | Yes | 860  | 688  | 285  |
| ## Indiana State University                | No  | 5659 | 4761 | 3147 |
| ## Southeast Missouri State University     | No  | 2281 | 1870 | 1408 |
| ## Norwich University                      | Yes | 1743 | 1625 | 626  |
| ## St. Norbert College                     | Yes | 1334 | 1243 | 568  |
| ## Franklin College                        | Yes | 804  | 632  | 281  |
| ## Lehigh University                       | Yes | 6397 | 4304 | 1092 |
| ## Drew University                         | Yes | 2153 | 1580 | 321  |
| ## University of Montevallo                | No  | 1351 | 892  | 570  |
| ## Hamilton College                        | Yes | 3140 | 1783 | 454  |
| ## Oklahoma Christian University           | Yes | 776  | 765  | 351  |
| ## Smith College                           | Yes | 2925 | 1598 | 632  |
| ## Bowling Green State University          | No  | 9251 | 7333 | 3076 |
| ## Spring Arbor College                    | Yes | 372  | 362  | 181  |
| ## Saint Joseph College                    | Yes | 292  | 241  | 96   |
| ## Mount St. Mary's College                | Yes | 657  | 537  | 113  |
| ## Pacific Lutheran University             | Yes | 1603 | 1392 | 504  |
| ## Trinity College DC                      | Yes | 247  | 189  | 100  |
| ## Westmont College                        | No  | 950  | 713  | 351  |
| ## Vassar College                          | Yes | 3550 | 1877 | 653  |
| ## Keene State College                     | No  | 3121 | 2446 | 822  |
| ## Rocky Mountain College                  | Yes | 560  | 392  | 270  |
| ## University of Vermont                   | No  | 7663 | 6008 | 1735 |
| ## McMurry University                      | Yes | 578  | 411  | 187  |
| ## Illinois Benedictine College            | Yes | 607  | 558  | 269  |
| ## University of the South                 | Yes | 1445 | 966  | 326  |
| ## University of Wisconsin-Stout           | No  | 2593 | 1966 | 1030 |
| ## Wartburg College                        | Yes | 1231 | 1074 | 345  |
| ## Clarke College                          | Yes | 460  | 340  | 167  |
| ## University of San Francisco             | Yes | 2306 | 1721 | 538  |
| ## Salem-Teikyo University                 | Yes | 489  | 384  | 120  |
| ## Kansas Wesleyan University              | Yes | 589  | 575  | 148  |
| ## Augustana College IL                    | Yes | 1879 | 1658 | 497  |
| ## University of Maine at Presque Isle     | No  | 461  | 381  | 235  |
| ## Stonehill College                       | Yes | 3646 | 2300 | 585  |
| ## Manchester College                      | Yes | 1004 | 802  | 239  |
| ## Millikin University                     | Yes | 1444 | 1261 | 456  |
| ## Western New England College             | Yes | 1650 | 1471 | 409  |
| ## Beaver College                          | Yes | 1163 | 850  | 348  |
| ## Stephens College                        | Yes | 450  | 405  | 194  |
| ## Allentown Coll. of St. Francis de Sales | Yes | 1179 | 780  | 290  |
| ## Rutgers State University at Newark      | No  | 5785 | 2690 | 499  |
| ## Christopher Newport University          | No  | 883  | 766  | 428  |
| ## Eckerd College                          | Yes | 1422 | 1109 | 366  |
| ## Milligan College                        | Yes | 610  | 461  | 189  |
| ## Saint Olaf College                      | Yes | 2248 | 1673 | 745  |
| ## Lock Haven University of Pennsylvania   | No  | 3570 | 2215 | 651  |
| ## Lakeland College                        | Yes | 497  | 452  | 231  |
| ## Greensboro College                      | Yes | 608  | 494  | 176  |
| ## Central Connecticut State University    | No  | 4158 | 2532 | 902  |

|  |     |      |      |      |
|--|-----|------|------|------|
| ## Hobart and William Smith Colleges   | Yes | 2688 | 2081 | 500  |
| ## Wesley College                      | Yes | 980  | 807  | 350  |
| ## Central Missouri State University   | No  | 4681 | 4101 | 1436 |
| ## Rockhurst College                   | Yes | 935  | 858  | 345  |
| ## Spelman College                     | Yes | 3713 | 1237 | 443  |
| ## Bentley College                     | Yes | 3466 | 2330 | 640  |
| ## Bluefield College                   | Yes | 377  | 358  | 181  |
| ## Western Michigan University         | No  | 9167 | 7191 | 2738 |
| ## Jersey City State College           | No  | 2957 | 1423 | 691  |
| ## Bethel College KS                   | Yes | 202  | 184  | 122  |
| ## Xavier University                   | Yes | 1959 | 1805 | 695  |
| ## Drake University                    | Yes | 2799 | 2573 | 839  |
| ## College of Notre Dame of Maryland   | Yes | 457  | 356  | 177  |
| ## Belmont University                  | Yes | 1220 | 974  | 481  |
| ## Alma College                        | Yes | 1267 | 1080 | 385  |
| ## Jamestown College                   | Yes | 472  | 410  | 262  |
| ## Wabash College                      | Yes | 800  | 623  | 256  |
| ## Virginia Union University           | Yes | 1847 | 1610 | 453  |
| ## Westminster College MO              | Yes | 662  | 553  | 184  |
| ## Oakland University                  | No  | 3041 | 2581 | 1173 |
| ## Auburn University-Main Campus       | No  | 7548 | 6791 | 3070 |
| ## Illinois State University           | No  | 8681 | 6695 | 2408 |
| ## Wentworth Institute of Technology   | Yes | 1480 | 1257 | 452  |
| ## Goshen College                      | Yes | 440  | 396  | 221  |
| ## Johnson State College               | No  | 833  | 669  | 279  |
| ## York College of Pennsylvania        | Yes | 2989 | 1855 | 691  |
| ## Southwest Missouri State University | No  | 6118 | 5254 | 3204 |
| ## Butler University                   | Yes | 2362 | 2037 | 700  |
| ## Lawrence University                 | Yes | 1243 | 947  | 324  |
| ## University of Richmond              | Yes | 5892 | 2718 | 756  |
| ## Hood College                        | Yes | 699  | 565  | 176  |
| ## Brigham Young University at Provo   | Yes | 7365 | 5402 | 4615 |
| ## Rosary College                      | Yes | 434  | 321  | 141  |
| ## Campbell University                 | Yes | 2087 | 1339 | 657  |
| ## Wingate College                     | Yes | 1239 | 1017 | 383  |
| ## Rhodes College                      | Yes | 2302 | 1831 | 391  |
| ## St. John Fisher College             | Yes | 1368 | 1064 | 354  |
| ## University of Scranton              | Yes | 4471 | 2942 | 910  |
| ## Franklin Pierce College             | Yes | 5187 | 4471 | 446  |
| ## Marshall University                 | Yes | 4226 | 3666 | 2007 |
| ## Mankato State University            | No  | 3073 | 2672 | 1547 |
| ## University of Oregon                | No  | 8631 | 6732 | 2546 |
| ## College of Notre Dame               | Yes | 344  | 264  | 97   |
| ## Kentucky Wesleyan College           | Yes | 584  | 497  | 175  |
| ## Lycoming College                    | Yes | 1286 | 1005 | 363  |
| ## Cumberland College                  | Yes | 995  | 789  | 398  |
| ## Manhattanville College              | Yes | 962  | 750  | 212  |
| ## Seton Hall University               | Yes | 4576 | 3565 | 1000 |
| ## Lynchburg College                   | Yes | 1756 | 1500 | 366  |
| ## Union College NY                    | Yes | 3495 | 1712 | 528  |
| ## University of Illinois at Chicago   | No  | 8384 | 5727 | 2710 |
| ## Christian Brothers University       | Yes | 880  | 520  | 224  |
| ## University of Miami                 | Yes | 7122 | 5386 | 1643 |
| ## Saint Mary's College of Minnesota   | Yes | 876  | 802  | 367  |

|   |     |       |       |      |
|---|-----|-------|-------|------|
| ## Marymount University                         | Yes | 941   | 772   | 214  |
| ## Wesleyan University                          | Yes | 4772  | 1973  | 712  |
| ## University of Sci. and Arts of Oklahoma      | No  | 285   | 280   | 208  |
| ## Immaculata College                           | Yes | 268   | 253   | 103  |
| ## Fordham University                           | Yes | 4200  | 2874  | 942  |
| ## Mount Union College                          | Yes | 1310  | 1086  | 458  |
| ## Geneva College                               | Yes | 668   | 534   | 237  |
| ## Williams College                             | Yes | 4186  | 1245  | 526  |
| ## Averett College                              | Yes | 627   | 556   | 172  |
| ## Northwest Nazarene College                   | Yes | 616   | 514   | 385  |
| ## Virginia Wesleyan College                    | Yes | 1470  | 900   | 287  |
| ## University of Connecticut at Storrs          | No  | 9735  | 7187  | 2064 |
| ## University of Virginia                       | No  | 15849 | 5384  | 2678 |
| ## Freed-Hardeman University                    | Yes | 895   | 548   | 314  |
| ## Baker University                             | Yes | 602   | 483   | 206  |
| ## Lewis University                             | Yes | 1154  | 1050  | 395  |
| ## Moorhead State University                    | No  | 2442  | 2164  | 1189 |
| ## Saint Francis College                        | Yes | 1046  | 824   | 284  |
| ## University of Maine at Machias               | No  | 441   | 369   | 172  |
| ## Bennington College                           | Yes | 519   | 327   | 114  |
| ## Guilford College                             | Yes | 1202  | 1054  | 326  |
| ## Bethel College                               | Yes | 502   | 384   | 104  |
| ## Westfield State College                      | No  | 3100  | 2150  | 825  |
| ## Southern Illinois University at Edwardsville | No  | 2540  | 2195  | 994  |
| ## Dowling College                              | Yes | 1011  | 829   | 410  |
| ## Marian College of Fond du Lac                | Yes | 824   | 670   | 337  |
| ## Sioux Falls College                          | Yes | 437   | 400   | 211  |
| ## Monmouth College IL                          | Yes | 601   | 503   | 204  |
| ## Saint Mary-of-the-Woods College              | Yes | 150   | 130   | 88   |
| ## Upper Iowa University                        | Yes | 663   | 452   | 192  |
| ## Voorhees College                             | Yes | 1465  | 1006  | 188  |
| ## Pacific University                           | Yes | 943   | 849   | 288  |
| ## Willamette University                        | Yes | 1658  | 1327  | 395  |
| ## Siena Heights College                        | Yes | 464   | 419   | 183  |
| ## St. Thomas Aquinas College                   | Yes | 861   | 609   | 215  |
| ## Washington and Lee University                | Yes | 3315  | 1096  | 425  |
| ## Alverno College                              | Yes | 494   | 313   | 157  |
| ## Claflin College                              | Yes | 1196  | 697   | 499  |
| ## University of Maine at Farmington            | No  | 1208  | 803   | 438  |
| ## Ramapo College of New Jersey                 | No  | 2088  | 957   | 362  |
| ## Central College                              | Yes | 1283  | 1113  | 401  |
| ## Ursuline College                             | Yes | 325   | 260   | 86   |
| ## Hardin-Simmons University                    | Yes | 467   | 424   | 350  |
| ## Fontbonne College                            | Yes | 291   | 245   | 126  |
| ## University of California at Irvine           | No  | 15698 | 10775 | 2478 |
| ## Keuka College                                | Yes | 461   | 381   | 174  |
| ## Beloit College                               | Yes | 1320  | 923   | 284  |
| ## Baylor University                            | Yes | 6075  | 5349  | 2367 |
| ## University of Detroit Mercy                  | Yes | 927   | 731   | 415  |
| ## Samford University                           | Yes | 1680  | 1395  | 691  |
| ## Southwestern Adventist College               | Yes | 321   | 318   | 172  |
| ## Saint Xavier University                      | Yes | 785   | 647   | 295  |
| ## Harvey Mudd College                          | Yes | 1377  | 572   | 178  |
| ## Virginia Commonwealth University             | No  | 4963  | 3497  | 1567 |



|   |     |       |       |      |
|---|-----|-------|-------|------|
| ## Arkansas Tech University                     | No  | 1734  | 1729  | 951  |
| ## New Mexico Institute of Mining and Tech.     | No  | 787   | 601   | 233  |
| ## Pennsylvania State Univ. Main Campus         | No  | 19315 | 10344 | 3450 |
| ## Meredith College                             | Yes | 857   | 772   | 376  |
| ## SUNY College at Oswego                       | No  | 8000  | 4556  | 1464 |
| ## University of New England                    | Yes | 1209  | 750   | 265  |
| ## Wells College                                | Yes | 318   | 240   | 130  |
| ## Allegheny College                            | Yes | 2652  | 1900  | 484  |
| ## McPherson College                            | Yes | 420   | 293   | 93   |
| ## Trinity College VT                           | Yes | 222   | 185   | 91   |
| ## Bridgewater College                          | Yes | 838   | 673   | 292  |
| ## Saint Vincent College                        | Yes | 700   | 595   | 278  |
| ## Blackburn College                            | Yes | 500   | 336   | 156  |
| ## University of Mississippi                    | No  | 3844  | 3383  | 1669 |
| ## Sacred Heart University                      | Yes | 2307  | 1896  | 509  |
| ## Johns Hopkins University                     | Yes | 8474  | 3446  | 911  |
| ## Clinch Valley Coll. of the Univ. of Virginia | No  | 689   | 561   | 250  |
| ## College of Saint Catherine                   | Yes | 511   | 411   | 186  |
| ## Culver-Stockton College                      | Yes | 1576  | 1110  | 274  |
| ## Carroll College                              | Yes | 1160  | 991   | 352  |
| ## Cedarville College                           | Yes | 1307  | 1090  | 616  |
| ## Concordia College at St. Paul                | Yes | 281   | 266   | 139  |
| ## Philadelphia Coll. of Textiles and Sci.      | Yes | 1538  | 1259  | 468  |
| ## Manhattan College                            | Yes | 2432  | 1730  | 563  |
| ## Hiram College                                | Yes | 922   | 729   | 244  |
| ## Mississippi University for Women             | No  | 480   | 405   | 380  |
| ## Yale University                              | Yes | 10705 | 2453  | 1317 |
| ## Valparaiso University                        | Yes | 2075  | 1727  | 520  |
| ## Barat College                                | Yes | 261   | 192   | 111  |
| ## Hollins College                              | Yes | 602   | 498   | 215  |
| ## Tulane University                            | Yes | 7033  | 5125  | 1223 |
| ## Waynesburg College                           | Yes | 1190  | 978   | 324  |
| ## Cornell College                              | Yes | 1538  | 1329  | 383  |
| ## Centenary College                            | Yes | 369   | 312   | 90   |
| ## Texas Lutheran College                       | Yes | 497   | 423   | 215  |
| ## West Virginia Wesleyan College               | Yes | 1566  | 1400  | 483  |
| ## Nazareth College of Rochester                | Yes | 947   | 798   | 266  |
| ## University of Pittsburgh-Main Campus         | No  | 8586  | 6383  | 2503 |
| ## Saint Francis College IN                     | Yes | 213   | 166   | 85   |
| ## East Tennessee State University              | No  | 3330  | 2730  | 1303 |
| ## Baldwin-Wallace College                      | Yes | 1690  | 1366  | 662  |
| ## University of West Florida                   | No  | 1558  | 1254  | 472  |
| ## Colgate University                           | Yes | 4856  | 2492  | 727  |
| ## Wake Forest University                       | Yes | 5661  | 2392  | 903  |
| ## Loyola Marymount University                  | Yes | 3768  | 2662  | 753  |
| ## SUNY College at Buffalo                      | No  | 5318  | 3515  | 1025 |
| ## Montclair State University                   | No  | 5220  | 2128  | 865  |
| ## University of Delaware                       | Yes | 14446 | 10516 | 3252 |
| ## Marquette University                         | Yes | 5152  | 4600  | 1685 |
| ## William Woods University                     | Yes | 469   | 435   | 227  |
| ## University of South Carolina at Aiken        | No  | 848   | 560   | 377  |
| ## Fresno Pacific College                       | Yes | 346   | 274   | 146  |
| ## Saint Joseph's University                    | Yes | 2519  | 2003  | 776  |
| ## West Chester University of Penn.             | No  | 6502  | 3539  | 1372 |

|  |     |           |           |             |
|--|-----|-----------|-----------|-------------|
| ## Emory University                          | Yes | 8506      | 4168      | 1236        |
| ## Texas Southern University                 | No  | 4345      | 3245      | 2604        |
| ## Saint Joseph's College                    | Yes | 833       | 682       | 217         |
| ## Loyola University Chicago                 | Yes | 3579      | 2959      | 868         |
| ## Whitman College                           | Yes | 1861      | 998       | 359         |
| ## Southwest State University                | No  | 1047      | 938       | 511         |
| ## Roger Williams University                 | Yes | 3304      | 2804      | 679         |
| ## Ohio Wesleyan University                  | Yes | 2190      | 1700      | 458         |
| ## Houghton College                          | Yes | 949       | 786       | 302         |
| ## Green Mountain College                    | Yes | 780       | 628       | 198         |
| ## Wellesley College                         | Yes | 2895      | 1249      | 579         |
| ## Saint Ambrose University                  | Yes | 897       | 718       | 276         |
| ## Huntington College                        | Yes | 450       | 430       | 125         |
| ## Barry University                          | Yes | 990       | 784       | 279         |
| ## Wheeling Jesuit College                   | Yes | 903       | 755       | 213         |
| ## Eastern College                           | Yes | 458       | 369       | 165         |
| ## Whitworth College                         | Yes | 1121      | 926       | 372         |
| ## Fayetteville State University             | No  | 1455      | 1064      | 452         |
| ## Western State College of Colorado         | No  | 2702      | 1623      | 604         |
| ## Skidmore College                          | Yes | 4293      | 2728      | 591         |
| ## California State University at Fresno     | No  | 4540      | 3294      | 1483        |
| ## Rensselaer Polytechnic Institute          | Yes | 4996      | 4165      | 936         |
| ## Saint Anselm College                      | Yes | 2095      | 1553      | 514         |
| ## Adrian College                            | Yes | 1428      | 1097      | 336         |
| ## University of North Carolina at Charlotte | No  | 5803      | 4441      | 1730        |
| ## Wheaton College IL                        | Yes | 1432      | 920       | 548         |
| ## Louisiana Tech University                 | No  | 2397      | 2144      | 1525        |
| ## Bellarmine College                        | Yes | 807       | 707       | 308         |
| ## Loyola College                            | Yes | 4076      | 3137      | 738         |
| ## Polytechnic University                    | Yes | 1132      | 847       | 302         |
| ## University of Southern California         | Yes | 12229     | 8498      | 2477        |
| ## University of Mobile                      | Yes | 452       | 331       | 269         |
| ## John Brown University                     | Yes | 605       | 405       | 284         |
| ## SUNY College at Geneseo                   | No  | 8598      | 4562      | 1143        |
| ## Mount Marty College                       | Yes | 279       | 276       | 126         |
| ## Grace College and Seminary                | Yes | 548       | 428       | 167         |
| ##   |     | Top10perc | Top25perc | F.Undergrad |
| ## North Central College                     |     | 30        | 64        | 1310        |
| ## Gordon College                            |     | 25        | 54        | 1151        |
| ## Indiana University at Bloomington         |     | 25        | 72        | 24763       |
| ## Juniata College                           |     | 36        | 55        | 1075        |
| ## Niagara University                        |     | 65        | 99        | 1919        |
| ## Point Park College                        |     | 7         | 38        | 1173        |
| ## College of Saint Benedict                 |     | 29        | 62        | 1715        |
| ## Capital University                        |     | 34        | 66        | 1662        |
| ## University of Massachusetts at Dartmouth  |     | 10        | 37        | 4664        |
| ## Cedar Crest College                       |     | 25        | 58        | 791         |
| ## Canisius College                          |     | 16        | 34        | 2978        |
| ## Elmira College                            |     | 27        | 50        | 1109        |
| ## Longwood College                          |     | 12        | 47        | 2874        |
| ## New York University                       |     | 70        | 86        | 12408       |
| ## University of Southern Mississippi        |     | 20        | 50        | 9260        |
| ## Augsburg College                          |     | 12        | 30        | 2074        |
| ## Huron University                          |     | 3         | 9         | 392         |

|   |    |    |       |
|---|----|----|-------|
| ## Southwestern College                       | 28 | 66 | 504   |
| ## College of Santa Fe                        | 16 | 42 | 873   |
| ## Simmons College                            | 23 | 53 | 1144  |
| ## Daniel Webster College                     | 12 | 30 | 460   |
| ## Southern California College                | 18 | 38 | 784   |
| ## Marywood College                           | 13 | 51 | 1452  |
| ## Maryville College                          | 26 | 52 | 624   |
| ## Stetson University                         | 37 | 69 | 1964  |
| ## Webster University                         | 17 | 44 | 1739  |
| ## North Dakota State University              | 13 | 47 | 7368  |
| ## Wayne State College                        | 6  | 21 | 2754  |
| ## North Park College                         | 19 | 39 | 879   |
| ## King's College                             | 20 | 45 | 500   |
| ## University of Wisconsin at Madison         | 36 | 80 | 23945 |
| ## Dickinson State University                 | 10 | 30 | 1376  |
| ## Washington State University                | 31 | 70 | 14445 |
| ## Eastern Mennonite College                  | 19 | 48 | 903   |
| ## University of Tennessee at Knoxville       | 27 | 53 | 15749 |
| ## Mount Vernon Nazarene College              | 18 | 36 | 1114  |
| ## University of Kansas                       | 25 | 50 | 17880 |
| ## Rowan College of New Jersey                | 21 | 70 | 5303  |
| ## Lyndon State College                       | 6  | 20 | 959   |
| ## Hastings College                           | 22 | 52 | 935   |
| ## Ohio University                            | 21 | 54 | 14861 |
| ## George Washington University               | 38 | 71 | 5471  |
| ## St. Martin's College                       | 5  | 25 | 494   |
| ## Western Washington University              | 30 | 71 | 8909  |
| ## University of Wisconsin at Milwaukee       | 12 | 37 | 11561 |
| ## Capitol College                            | 10 | 52 | 282   |
| ## Marymount College Tarrytown                | 9  | 34 | 731   |
| ## Westminster College PA                     | 21 | 55 | 1335  |
| ## University of Oklahoma                     | 32 | 63 | 13436 |
| ## Texas Wesleyan University                  | 19 | 44 | 1204  |
| ## University of Puget Sound                  | 51 | 83 | 2738  |
| ## Washington College                         | 31 | 60 | 822   |
| ## Point Loma Nazarene College                | 20 | 43 | 1889  |
| ## California Lutheran University             | 23 | 52 | 1427  |
| ## Northwest Missouri State University        | 8  | 29 | 4787  |
| ## Berry College                              | 37 | 68 | 1620  |
| ## Hope College                               | 37 | 69 | 2505  |
| ## Bemidji State University                   | 12 | 36 | 3796  |
| ## South Dakota State University              | 13 | 37 | 7000  |
| ## Southwestern University                    | 44 | 77 | 1177  |
| ## Fairfield University                       | 30 | 66 | 2984  |
| ## University of Cincinnati                   | 26 | 57 | 11036 |
| ## Saint Cloud State University               | 10 | 34 | 11493 |
| ## University of Charleston                   | 22 | 43 | 771   |
| ## Boston University                          | 45 | 80 | 14971 |
| ## Lenoir-Rhyne College                       | 25 | 46 | 1188  |
| ## Colorado State University                  | 29 | 65 | 15646 |
| ## Creighton University                       | 30 | 60 | 3450  |
| ## George Fox College                         | 27 | 52 | 1271  |
| ## Bethune Cookman College                    | 12 | 30 | 2128  |
| ## University of Maryland at Baltimore County | 27 | 57 | 6476  |

|   |    |    |       |
|---|----|----|-------|
| ## Georgia State University                   | 9  | 24 | 7732  |
| ## Rivier College                             | 6  | 28 | 590   |
| ## Colorado College                           | 56 | 87 | 1892  |
| ## University of Utah                         | 27 | 53 | 13894 |
| ## University of Nebraska at Lincoln          | 33 | 63 | 16454 |
| ## Georgian Court College                     | 12 | 52 | 1095  |
| ## University of South Carolina at Columbia   | 30 | 66 | 12594 |
| ## Marist College                             | 12 | 31 | 3557  |
| ## James Madison University                   | 32 | 72 | 9652  |
| ## Brenau University                          | 12 | 41 | 917   |
| ## Pacific Union College                      | 20 | 48 | 1316  |
| ## Defiance College                           | 10 | 26 | 645   |
| ## Husson College                             | 10 | 30 | 951   |
| ## Mount Saint Mary College                   | 14 | 48 | 1170  |
| ## Transylvania University                    | 57 | 81 | 867   |
| ## Eureka College                             | 36 | 56 | 484   |
| ## Siena College                              | 24 | 68 | 2669  |
| ## Pace University                            | 37 | 70 | 5809  |
| ## College of Saint Rose                      | 23 | 57 | 1698  |
| ## Gettysburg College                         | 42 | 78 | 1944  |
| ## Mary Washington College                    | 39 | 78 | 2997  |
| ## Converse College                           | 35 | 70 | 643   |
| ## Belmont Abbey College                      | 17 | 36 | 709   |
| ## University of Minnesota at Duluth          | 15 | 45 | 5887  |
| ## Concordia University CA                    | 30 | 75 | 641   |
| ## Washington University                      | 62 | 93 | 4879  |
| ## Northeast Missouri State University        | 36 | 72 | 5640  |
| ## Scripps College                            | 60 | 83 | 569   |
| ## University of North Carolina at Greensboro | 15 | 44 | 7532  |
| ## University of Michigan at Ann Arbor        | 66 | 92 | 22045 |
| ## Albertson College                          | 38 | 62 | 678   |
| ## Arizona State University Main campus       | 24 | 49 | 22593 |
| ## Hartwick College                           | 22 | 49 | 1464  |
| ## Virginia State University                  | 2  | 30 | 3006  |
| ## University of Illinois - Urbana            | 52 | 88 | 25422 |
| ## DePauw University                          | 50 | 80 | 1983  |
| ## Linfield College                           | 48 | 72 | 1548  |
| ## College Misericordia                       | 29 | 58 | 1121  |
| ## East Carolina University                   | 14 | 44 | 13171 |
| ## Adelphi University                         | 16 | 29 | 2683  |
| ## Florida International University           | 42 | 89 | 10208 |
| ## Central Wesleyan College                   | 8  | 29 | 1047  |
| ## Worcester State College                    | 4  | 26 | 3089  |
| ## St. Bonaventure University                 | 13 | 45 | 1688  |
| ## Rutgers State University at Camden         | 27 | 79 | 2585  |
| ## Trinity College CT                         | 46 | 84 | 1737  |
| ## Morris College                             | 2  | 13 | 926   |
| ## Quincy University                          | 22 | 66 | 1070  |
| ## Morningside College                        | 16 | 36 | 950   |
| ## Livingstone College                        | 22 | 47 | 621   |
| ## Carleton College                           | 75 | 93 | 1870  |
| ## Sweet Briar College                        | 36 | 68 | 527   |
| ## Coe College                                | 29 | 60 | 1127  |
| ## Clemson University                         | 37 | 65 | 11755 |

|   |    |     |       |
|---|----|-----|-------|
| ## University of Dubuque                  | 11 | 39  | 662   |
| ## Amherst College                        | 83 | 96  | 1593  |
| ## Brown University                       | 87 | 95  | 5643  |
| ## Ferrum College                         | 12 | 36  | 1051  |
| ## Cazenovia College                      | 9  | 35  | 1010  |
| ## College of St. Scholastica             | 29 | 60  | 1350  |
| ## Tusculum College                       | 12 | 34  | 983   |
| ## Eastern Connecticut State University   | 14 | 50  | 2766  |
| ## Our Lady of the Lake University        | 22 | 46  | 1202  |
| ## Harvard University                     | 90 | 100 | 6862  |
| ## Dillard University                     | 41 | 88  | 1539  |
| ## University of Arkansas at Fayetteville | 25 | 65  | 9978  |
| ## Westminster College                    | 29 | 58  | 1411  |
| ## University of Hartford                 | 11 | 26  | 3768  |
| ## Villanova University                   | 30 | 68  | 6362  |
| ## Buena Vista College                    | 32 | 70  | 1928  |
| ## Indiana State University               | 10 | 31  | 8596  |
| ## Southeast Missouri State University    | 18 | 43  | 6553  |
| ## Norwich University                     | 8  | 29  | 1862  |
| ## St. Norbert College                    | 30 | 56  | 1946  |
| ## Franklin College                       | 29 | 72  | 840   |
| ## Lehigh University                      | 40 | 84  | 4298  |
| ## Drew University                        | 56 | 84  | 1192  |
| ## University of Montevallo               | 18 | 78  | 2385  |
| ## Hamilton College                       | 40 | 82  | 1646  |
| ## Oklahoma Christian University          | 22 | 44  | 1419  |
| ## Smith College                          | 51 | 88  | 2479  |
| ## Bowling Green State University         | 14 | 45  | 13699 |
| ## Spring Arbor College                   | 15 | 32  | 1501  |
| ## Saint Joseph College                   | 20 | 52  | 543   |
| ## Mount St. Mary's College               | 37 | 90  | 1039  |
| ## Pacific Lutheran University            | 31 | 68  | 2580  |
| ## Trinity College DC                     | 19 | 49  | 309   |
| ## Westmont College                       | 42 | 72  | 1276  |
| ## Vassar College                         | 53 | 87  | 2164  |
| ## Keene State College                    | 5  | 19  | 3480  |
| ## Rocky Mountain College                 | 11 | 31  | 743   |
| ## University of Vermont                  | 18 | 51  | 7353  |
| ## McMurry University                     | 25 | 50  | 880   |
| ## Illinois Benedictine College           | 22 | 47  | 1222  |
| ## University of the South                | 46 | 83  | 1129  |
| ## University of Wisconsin-Stout          | 9  | 32  | 6038  |
| ## Wartburg College                       | 34 | 66  | 1295  |
| ## Clarke College                         | 14 | 45  | 604   |
| ## University of San Francisco            | 23 | 48  | 4309  |
| ## Salem-Teikyo University                | 23 | 52  | 700   |
| ## Kansas Wesleyan University             | 16 | 40  | 474   |
| ## Augustana College IL                   | 36 | 69  | 1950  |
| ## University of Maine at Presque Isle    | 10 | 40  | 974   |
| ## Stonehill College                      | 25 | 69  | 2022  |
| ## Manchester College                     | 23 | 63  | 909   |
| ## Millikin University                    | 29 | 62  | 1788  |
| ## Western New England College            | 7  | 21  | 1803  |
| ## Beaver College                         | 23 | 56  | 878   |

|  |    |    |       |
|--|----|----|-------|
| ## Stephens College                        | 17 | 34 | 614   |
| ## Allentown Coll. of St. Francis de Sales | 38 | 64 | 1130  |
| ## Rutgers State University at Newark      | 26 | 62 | 4005  |
| ## Christopher Newport University          | 3  | 37 | 2910  |
| ## Eckerd College                          | 33 | 65 | 1363  |
| ## Milligan College                        | 26 | 52 | 685   |
| ## Saint Olaf College                      | 38 | 73 | 2888  |
| ## Lock Haven University of Pennsylvania   | 17 | 41 | 3390  |
| ## Lakeland College                        | 24 | 47 | 887   |
| ## Greensboro College                      | 10 | 31 | 649   |
| ## Central Connecticut State University    | 6  | 24 | 6394  |
| ## Hobart and William Smith Colleges       | 25 | 53 | 1792  |
| ## Wesley College                          | 10 | 25 | 872   |
| ## Central Missouri State University       | 10 | 35 | 8094  |
| ## Rockhurst College                       | 22 | 50 | 1127  |
| ## Spelman College                         | 47 | 83 | 1971  |
| ## Bentley College                         | 20 | 60 | 3095  |
| ## Bluefield College                       | 15 | 30 | 653   |
| ## Western Michigan University             | 24 | 53 | 15739 |
| ## Jersey City State College               | 10 | 30 | 3817  |
| ## Bethel College KS                       | 19 | 42 | 537   |
| ## Xavier University                       | 24 | 47 | 2849  |
| ## Drake University                        | 34 | 65 | 3322  |
| ## College of Notre Dame of Maryland       | 35 | 61 | 667   |
| ## Belmont University                      | 28 | 67 | 1964  |
| ## Alma College                            | 44 | 73 | 1306  |
| ## Jamestown College                       | 14 | 41 | 9950  |
| ## Wabash College                          | 41 | 76 | 801   |
| ## Virginia Union University               | 19 | 59 | 1298  |
| ## Westminster College MO                  | 20 | 43 | 665   |
| ## Oakland University                      | 16 | 56 | 6441  |
| ## Auburn University-Main Campus           | 25 | 57 | 16262 |
| ## Illinois State University               | 10 | 35 | 15701 |
| ## Wentworth Institute of Technology       | 6  | 25 | 2961  |
| ## Goshen College                          | 26 | 51 | 910   |
| ## Johnson State College                   | 3  | 13 | 1224  |
| ## York College of Pennsylvania            | 28 | 63 | 2988  |
| ## Southwest Missouri State University     | 15 | 37 | 13131 |
| ## Butler University                       | 40 | 68 | 2607  |
| ## Lawrence University                     | 50 | 77 | 1129  |
| ## University of Richmond                  | 46 | 72 | 2854  |
| ## Hood College                            | 36 | 64 | 710   |
| ## Brigham Young University at Provo       | 48 | 82 | 27378 |
| ## Rosary College                          | 28 | 53 | 624   |
| ## Campbell University                     | 20 | 54 | 3191  |
| ## Wingate College                         | 10 | 34 | 1207  |
| ## Rhodes College                          | 58 | 82 | 1345  |
| ## St. John Fisher College                 | 19 | 51 | 1687  |
| ## University of Scranton                  | 29 | 60 | 3674  |
| ## Franklin Pierce College                 | 3  | 14 | 1818  |
| ## Marshall University                     | 14 | 60 | 7703  |
| ## Mankato State University                | 9  | 29 | 9649  |
| ## University of Oregon                    | 25 | 61 | 11669 |
| ## College of Notre Dame                   | 11 | 42 | 500   |

|   |    |    |       |
|---|----|----|-------|
| ## Kentucky Wesleyan College                    | 20 | 49 | 662   |
| ## Lycoming College                             | 16 | 37 | 1363  |
| ## Cumberland College                           | 26 | 47 | 1306  |
| ## Manhattanville College                       | 21 | 54 | 830   |
| ## Seton Hall University                        | 16 | 36 | 4384  |
| ## Lynchburg College                            | 3  | 21 | 1524  |
| ## Union College NY                             | 49 | 84 | 1915  |
| ## University of Illinois at Chicago            | 22 | 50 | 13518 |
| ## Christian Brothers University                | 16 | 42 | 1068  |
| ## University of Miami                          | 42 | 69 | 7760  |
| ## Saint Mary's College of Minnesota            | 14 | 35 | 1263  |
| ## Marymount University                         | 10 | 30 | 1247  |
| ## Wesleyan University                          | 60 | 86 | 2714  |
| ## University of Sci. and Arts of Oklahoma      | 21 | 43 | 1140  |
| ## Immaculata College                           | 16 | 44 | 494   |
| ## Fordham University                           | 30 | 55 | 4740  |
| ## Mount Union College                          | 26 | 61 | 1365  |
| ## Geneva College                               | 19 | 39 | 1306  |
| ## Williams College                             | 81 | 96 | 1988  |
| ## Averett College                              | 16 | 40 | 777   |
| ## Northwest Nazarene College                   | 29 | 52 | 1115  |
| ## Virginia Wesleyan College                    | 20 | 49 | 1130  |
| ## University of Connecticut at Storrs          | 23 | 63 | 12478 |
| ## University of Virginia                       | 74 | 95 | 11278 |
| ## Freed-Hardeman University                    | 20 | 54 | 1174  |
| ## Baker University                             | 21 | 47 | 958   |
| ## Lewis University                             | 12 | 31 | 2192  |
| ## Moorhead State University                    | 12 | 37 | 5983  |
| ## Saint Francis College                        | 21 | 45 | 1223  |
| ## University of Maine at Machias               | 17 | 45 | 633   |
| ## Bennington College                           | 25 | 53 | 457   |
| ## Guilford College                             | 18 | 44 | 1410  |
| ## Bethel College                               | 11 | 28 | 347   |
| ## Westfield State College                      | 3  | 20 | 3234  |
| ## Southern Illinois University at Edwardsville | 13 | 40 | 6063  |
| ## Dowling College                              | 9  | 33 | 1059  |
| ## Marian College of Fond du Lac                | 15 | 41 | 1160  |
| ## Sioux Falls College                          | 13 | 35 | 614   |
| ## Monmouth College IL                          | 28 | 57 | 671   |
| ## Saint Mary-of-the-Woods College              | 23 | 50 | 341   |
| ## Upper Iowa University                        | 10 | 35 | 1481  |
| ## Voorhees College                             | 10 | 30 | 703   |
| ## Pacific University                           | 41 | 71 | 1041  |
| ## Willamette University                        | 49 | 80 | 1595  |
| ## Siena Heights College                        | 10 | 31 | 686   |
| ## St. Thomas Aquinas College                   | 10 | 27 | 1117  |
| ## Washington and Lee University                | 68 | 93 | 1584  |
| ## Alverno College                              | 23 | 46 | 1317  |
| ## Claflin College                              | 21 | 47 | 959   |
| ## University of Maine at Farmington            | 20 | 48 | 1906  |
| ## Ramapo College of New Jersey                 | 6  | 29 | 2745  |
| ## Central College                              | 31 | 65 | 1355  |
| ## Ursuline College                             | 21 | 47 | 699   |
| ## Hardin-Simmons University                    | 16 | 40 | 1365  |

|   |    |     |       |
|---|----|-----|-------|
| ## Fontbonne College                            | 16 | 49  | 981   |
| ## University of California at Irvine           | 85 | 100 | 12677 |
| ## Keuka College                                | 10 | 43  | 738   |
| ## Beloit College                               | 26 | 54  | 1085  |
| ## Baylor University                            | 34 | 66  | 9919  |
| ## University of Detroit Mercy                  | 24 | 50  | 2149  |
| ## Samford University                           | 34 | 76  | 2959  |
| ## Southwestern Adventist College               | 11 | 27  | 620   |
| ## Saint Xavier University                      | 15 | 65  | 1670  |
| ## Harvey Mudd College                          | 95 | 100 | 654   |
| ## Virginia Commonwealth University             | 18 | 45  | 10262 |
| ## Arkansas Tech University                     | 12 | 52  | 3602  |
| ## New Mexico Institute of Mining and Tech.     | 40 | 73  | 1017  |
| ## Pennsylvania State Univ. Main Campus         | 48 | 93  | 28938 |
| ## Meredith College                             | 25 | 58  | 1721  |
| ## SUNY College at Oswego                       | 17 | 70  | 6943  |
| ## University of New England                    | 19 | 54  | 820   |
| ## Wells College                                | 40 | 85  | 416   |
| ## Allegheny College                            | 44 | 77  | 1707  |
| ## McPherson College                            | 11 | 32  | 336   |
| ## Trinity College VT                           | 16 | 41  | 484   |
| ## Bridgewater College                          | 22 | 53  | 881   |
| ## Saint Vincent College                        | 19 | 35  | 1035  |
| ## Blackburn College                            | 25 | 55  | 421   |
| ## University of Mississippi                    | 26 | 47  | 7524  |
| ## Sacred Heart University                      | 19 | 51  | 1707  |
| ## Johns Hopkins University                     | 75 | 94  | 3566  |
| ## Clinch Valley Coll. of the Univ. of Virginia | 15 | 30  | 1125  |
| ## College of Saint Catherine                   | 23 | 51  | 1692  |
| ## Culver-Stockton College                      | 24 | 55  | 992   |
| ## Carroll College                              | 19 | 55  | 1357  |
| ## Cedarville College                           | 25 | 55  | 2196  |
| ## Concordia College at St. Paul                | 13 | 29  | 1049  |
| ## Philadelphia Coll. of Textiles and Sci.      | 19 | 42  | 1664  |
| ## Manhattan College                            | 20 | 63  | 2578  |
| ## Hiram College                                | 37 | 66  | 1000  |
| ## Mississippi University for Women             | 19 | 46  | 1673  |
| ## Yale University                              | 95 | 99  | 5217  |
| ## Valparaiso University                        | 49 | 81  | 2501  |
| ## Barat College                                | 15 | 36  | 453   |
| ## Hollins College                              | 26 | 58  | 795   |
| ## Tulane University                            | 47 | 75  | 4941  |
| ## Waynesburg College                           | 12 | 30  | 1280  |
| ## Cornell College                              | 33 | 68  | 1140  |
| ## Centenary College                            | 12 | 46  | 396   |
| ## Texas Lutheran College                       | 27 | 57  | 895   |
| ## West Virginia Wesleyan College               | 28 | 55  | 1509  |
| ## Nazareth College of Rochester                | 36 | 68  | 1274  |
| ## University of Pittsburgh-Main Campus         | 25 | 59  | 13138 |
| ## Saint Francis College IN                     | 13 | 36  | 513   |
| ## East Tennessee State University              | 15 | 36  | 6706  |
| ## Baldwin-Wallace College                      | 30 | 61  | 2718  |
| ## University of West Florida                   | 20 | 57  | 3754  |
| ## Colgate University                           | 46 | 75  | 2649  |



|  |              |          |             |
|--|--------------|----------|-------------|
| ## Wake Forest University                    | 75           | 88       | 3499        |
| ## Loyola Marymount University               | 42           | 64       | 3558        |
| ## SUNY College at Buffalo                   | 8            | 29       | 7626        |
| ## Montclair State University                | 19           | 53       | 6411        |
| ## University of Delaware                    | 22           | 57       | 14130       |
| ## Marquette University                      | 36           | 71       | 7016        |
| ## William Woods University                  | 17           | 39       | 851         |
| ## University of South Carolina at Aiken     | 14           | 24       | 1855        |
| ## Fresno Pacific College                    | 51           | 87       | 704         |
| ## Saint Joseph's University                 | 39           | 71       | 2473        |
| ## West Chester University of Penn.          | 11           | 51       | 7484        |
| ## Emory University                          | 76           | 97       | 5544        |
| ## Texas Southern University                 | 15           | 85       | 5584        |
| ## Saint Joseph's College                    | 12           | 33       | 716         |
| ## Loyola University Chicago                 | 25           | 55       | 5244        |
| ## Whitman College                           | 45           | 77       | 1220        |
| ## Southwest State University                | 13           | 33       | 2091        |
| ## Roger Williams University                 | 10           | 20       | 2111        |
| ## Ohio Wesleyan University                  | 36           | 65       | 1780        |
| ## Houghton College                          | 30           | 70       | 1210        |
| ## Green Mountain College                    | 7            | 20       | 545         |
| ## Wellesley College                         | 80           | 96       | 2195        |
| ## Saint Ambrose University                  | 12           | 48       | 1345        |
| ## Huntington College                        | 20           | 46       | 488         |
| ## Barry University                          | 18           | 45       | 1811        |
| ## Wheeling Jesuit College                   | 15           | 49       | 971         |
| ## Eastern College                           | 16           | 42       | 1057        |
| ## Whitworth College                         | 43           | 70       | 1270        |
| ## Fayetteville State University             | 1            | 16       | 2632        |
| ## Western State College of Colorado         | 7            | 24       | 2315        |
| ## Skidmore College                          | 25           | 62       | 2322        |
| ## California State University at Fresno     | 5            | 60       | 13494       |
| ## Rensselaer Polytechnic Institute          | 53           | 82       | 4291        |
| ## Saint Anselm College                      | 15           | 40       | 1873        |
| ## Adrian College                            | 22           | 50       | 1036        |
| ## University of North Carolina at Charlotte | 19           | 62       | 10099       |
| ## Wheaton College IL                        | 56           | 84       | 2200        |
| ## Louisiana Tech University                 | 22           | 45       | 6720        |
| ## Bellarmine College                        | 39           | 63       | 1198        |
| ## Loyola College                            | 25           | 54       | 3010        |
| ## Polytechnic University                    | 58           | 89       | 1379        |
| ## University of Southern California         | 45           | 71       | 13259       |
| ## University of Mobile                      | 17           | 54       | 1417        |
| ## John Brown University                     | 24           | 53       | 961         |
| ## SUNY College at Geneseo                   | 56           | 93       | 5060        |
| ## Mount Marty College                       | 17           | 37       | 600         |
| ## Grace College and Seminary                | 18           | 46       | 618         |
| ##   |              |          |             |
|  | P. Undergrad | Outstate | Room. Board |
| ## North Central College                     | 766          | 11718    | 7398        |
| ## Gordon College                            | 39           | 12200    | 4070        |
| ## Indiana University at Bloomington         | 2717         | 9766     | 3990        |
| ## Juniata College                           | 43           | 14850    | 4460        |
| ## Niagara University                        | 334          | 10320    | 4762        |
| ## Point Park College                        | 1402         | 9700     | 4830        |

|   |      |       |      |
|---|------|-------|------|
| ## College of Saint Benedict                | 103  | 12247 | 4221 |
| ## Capital University                       | 960  | 13050 | 4000 |
| ## University of Massachusetts at Dartmouth | 1630 | 6919  | 4500 |
| ## Cedar Crest College                      | 764  | 14340 | 5285 |
| ## Canisius College                         | 434  | 10750 | 5340 |
| ## Elmira College                           | 502  | 14990 | 4980 |
| ## Longwood College                         | 118  | 7920  | 3962 |
| ## New York University                      | 2814 | 17748 | 7262 |
| ## University of Southern Mississippi       | 1387 | 4652  | 2470 |
| ## Augsburg College                         | 726  | 11902 | 4372 |
| ## Huron University                         | 69   | 7260  | 3090 |
| ## Southwestern College                     | 147  | 7200  | 3532 |
| ## College of Santa Fe                      | 683  | 11138 | 4138 |
| ## Simmons College                          | 160  | 16160 | 6950 |
| ## Daniel Webster College                   | 536  | 12292 | 4934 |
| ## Southern California College              | 127  | 9520  | 4124 |
| ## Marywood College                         | 402  | 11040 | 4500 |
| ## Maryville College                        | 128  | 11200 | 4208 |
| ## Stetson University                       | 81   | 12315 | 4565 |
| ## Webster University                       | 1550 | 9160  | 4340 |
| ## North Dakota State University            | 1128 | 5834  | 2744 |
| ## Wayne State College                      | 474  | 2700  | 2660 |
| ## North Park College                       | 156  | 12580 | 4345 |
| ## King's College                           | 541  | 10910 | 5160 |
| ## University of Wisconsin at Madison       | 2200 | 9096  | 4290 |
| ## Dickinson State University               | 237  | 4486  | 2146 |
| ## Washington State University              | 1344 | 8200  | 4210 |
| ## Eastern Mennonite College                | 59   | 9650  | 3800 |
| ## University of Tennessee at Knoxville     | 3237 | 5764  | 3262 |
| ## Mount Vernon Nazarene College            | 94   | 7400  | 3346 |
| ## University of Kansas                     | 1673 | 6994  | 3384 |
| ## Rowan College of New Jersey              | 3942 | 4356  | 4830 |
| ## Lyndon State College                     | 150  | 7320  | 4640 |
| ## Hastings College                         | 37   | 9376  | 3272 |
| ## Ohio University                          | 1310 | 7629  | 4095 |
| ## George Washington University             | 1470 | 17450 | 6328 |
| ## St. Martin's College                     | 574  | 11550 | 4270 |
| ## Western Washington University            | 506  | 8124  | 4144 |
| ## University of Wisconsin at Milwaukee     | 7443 | 8786  | 2964 |
| ## Capitol College                          | 331  | 8400  | 2812 |
| ## Marymount College Tarrytown              | 370  | 11510 | 6450 |
| ## Westminster College PA                   | 30   | 18460 | 5970 |
| ## University of Oklahoma                   | 2582 | 5173  | 3526 |
| ## Texas Wesleyan University                | 392  | 6400  | 3484 |
| ## University of Puget Sound                | 138  | 16230 | 4500 |
| ## Washington College                       | 46   | 15276 | 5318 |
| ## Point Loma Nazarene College              | 217  | 10178 | 4190 |
| ## California Lutheran University           | 432  | 12950 | 5300 |
| ## Northwest Missouri State University      | 472  | 3735  | 3136 |
| ## Berry College                            | 49   | 8050  | 3940 |
| ## Hope College                             | 208  | 12275 | 4341 |
| ## Bemidji State University                 | 824  | 4425  | 2700 |
| ## South Dakota State University            | 1103 | 3811  | 2190 |
| ## Southwestern University                  | 43   | 11850 | 4675 |

|   |      |       |      |
|---|------|-------|------|
| ## Fairfield University                       | 1037 | 15000 | 6200 |
| ## University of Cincinnati                   | 2011 | 8907  | 4697 |
| ## Saint Cloud State University               | 2206 | 4259  | 2625 |
| ## University of Charleston                   | 611  | 9500  | 3540 |
| ## Boston University                          | 3113 | 18420 | 6810 |
| ## Lenoir-Rhyne College                       | 166  | 10100 | 4000 |
| ## Colorado State University                  | 1829 | 8412  | 4180 |
| ## Creighton University                       | 644  | 10628 | 4372 |
| ## George Fox College                         | 43   | 12500 | 4130 |
| ## Bethune Cookman College                    | 82   | 5188  | 3396 |
| ## University of Maryland at Baltimore County | 2592 | 8594  | 4408 |
| ## Georgia State University                   | 9054 | 6744  | 2655 |
| ## Rivier College                             | 1196 | 9870  | 4860 |
| ## Colorado College                           | 7    | 17142 | 4190 |
| ## University of Utah                         | 8374 | 6857  | 3975 |
| ## University of Nebraska at Lincoln          | 3171 | 5595  | 3145 |
| ## Georgian Court College                     | 785  | 9150  | 3950 |
| ## University of South Carolina at Columbia   | 3661 | 8074  | 3522 |
| ## Marist College                             | 658  | 10700 | 5925 |
| ## James Madison University                   | 742  | 7994  | 4544 |
| ## Brenau University                          | 479  | 9592  | 5879 |
| ## Pacific Union College                      | 139  | 11925 | 3825 |
| ## Defiance College                           | 283  | 10850 | 3670 |
| ## Husson College                             | 706  | 7800  | 4000 |
| ## Mount Saint Mary College                   | 429  | 7470  | 4600 |
| ## Transylvania University                    | 51   | 10900 | 4450 |
| ## Eureka College                             | 16   | 10955 | 3450 |
| ## Siena College                              | 616  | 10800 | 5100 |
| ## Pace University                            | 4379 | 11000 | 5160 |
| ## College of Saint Rose                      | 894  | 9990  | 5666 |
| ## Gettysburg College                         | 46   | 19964 | 4328 |
| ## Mary Washington College                    | 736  | 6490  | 4942 |
| ## Converse College                           | 80   | 12050 | 3700 |
| ## Belmont Abbey College                      | 131  | 9000  | 4850 |
| ## University of Minnesota at Duluth          | 1254 | 8828  | 3474 |
| ## Concordia University CA                    | 101  | 10800 | 4440 |
| ## Washington University                      | 1274 | 18350 | 5775 |
| ## Northeast Missouri State University        | 266  | 4856  | 3416 |
| ## Scripps College                            | 7    | 17238 | 7350 |
| ## University of North Carolina at Greensboro | 1847 | 8677  | 3505 |
| ## University of Michigan at Ann Arbor        | 1339 | 15732 | 4659 |
| ## Albertson College                          | 41   | 13500 | 3335 |
| ## Arizona State University Main campus       | 7585 | 7434  | 4850 |
| ## Hartwick College                           | 67   | 17480 | 4780 |
| ## Virginia State University                  | 338  | 5587  | 4845 |
| ## University of Illinois - Urbana            | 911  | 7560  | 4574 |
| ## DePauw University                          | 36   | 14300 | 5020 |
| ## Linfield College                           | 840  | 13380 | 4210 |
| ## College Misericordia                       | 493  | 10860 | 5760 |
| ## East Carolina University                   | 1687 | 7248  | 3240 |
| ## Adelphi University                         | 1227 | 12280 | 6450 |
| ## Florida International University           | 9310 | 6597  | 2494 |
| ## Central Wesleyan College                   | 33   | 8300  | 3080 |
| ## Worcester State College                    | 2029 | 6797  | 3900 |

|   |      |       |      |
|---|------|-------|------|
| ## St. Bonaventure University             | 131  | 10456 | 4927 |
| ## Rutgers State University at Camden     | 1300 | 7411  | 4748 |
| ## Trinity College CT                     | 244  | 18810 | 5690 |
| ## Morris College                         | 12   | 4515  | 2550 |
| ## Quincy University                      | 72   | 10100 | 4140 |
| ## Morningside College                    | 228  | 10520 | 3678 |
| ## Livingstone College                    | 11   | 4400  | 3400 |
| ## Carleton College                       | 12   | 19292 | 3957 |
| ## Sweet Briar College                    | 41   | 14500 | 6000 |
| ## Coe College                            | 205  | 13925 | 4390 |
| ## Clemson University                     | 770  | 8116  | 3610 |
| ## University of Dubuque                  | 131  | 10430 | 3620 |
| ## Amherst College                        | 5    | 19760 | 5300 |
| ## Brown University                       | 349  | 19528 | 5926 |
| ## Ferrum College                         | 82   | 9400  | 4200 |
| ## Cazenovia College                      | 12   | 9384  | 4840 |
| ## College of St. Scholastica             | 275  | 11844 | 3696 |
| ## Tusculum College                       | 40   | 7700  | 3400 |
| ## Eastern Connecticut State University   | 1531 | 5962  | 4316 |
| ## Our Lady of the Lake University        | 942  | 8530  | 3644 |
| ## Harvard University                     | 320  | 18485 | 6410 |
| ## Dillard University                     | 45   | 6700  | 3650 |
| ## University of Arkansas at Fayetteville | 1530 | 5028  | 3300 |
| ## Westminster College                    | 72   | 12065 | 3615 |
| ## University of Hartford                 | 1415 | 14220 | 6000 |
| ## Villanova University                   | 1292 | 15925 | 6507 |
| ## Buena Vista College                    | 442  | 13306 | 3797 |
| ## Indiana State University               | 1949 | 6892  | 3706 |
| ## Southeast Missouri State University    | 1246 | 4680  | 3540 |
| ## Norwich University                     | 382  | 14134 | 5270 |
| ## St. Norbert College                    | 95   | 12140 | 4450 |
| ## Franklin College                       | 68   | 10390 | 4040 |
| ## Lehigh University                      | 132  | 18700 | 5580 |
| ## Drew University                        | 87   | 18432 | 5616 |
| ## University of Montevallo               | 331  | 4440  | 3030 |
| ## Hamilton College                       | 24   | 19700 | 5050 |
| ## Oklahoma Christian University          | 228  | 6400  | 3150 |
| ## Smith College                          | 95   | 18820 | 6390 |
| ## Bowling Green State University         | 1213 | 7452  | 3352 |
| ## Spring Arbor College                   | 353  | 8600  | 3550 |
| ## Saint Joseph College                   | 712  | 12200 | 4600 |
| ## Mount St. Mary's College               | 466  | 12474 | 5678 |
| ## Pacific Lutheran University            | 302  | 13312 | 4488 |
| ## Trinity College DC                     | 639  | 11412 | 6430 |
| ## Westmont College                       | 9    | 14320 | 5304 |
| ## Vassar College                         | 77   | 18920 | 5950 |
| ## Keene State College                    | 776  | 7870  | 4157 |
| ## Rocky Mountain College                 | 118  | 8734  | 3362 |
| ## University of Vermont                  | 1674 | 15516 | 4928 |
| ## McMurry University                     | 477  | 6930  | 3452 |
| ## Illinois Benedictine College           | 519  | 10500 | 4348 |
| ## University of the South                | 24   | 15350 | 4080 |
| ## University of Wisconsin-Stout          | 579  | 6704  | 2592 |
| ## Wartburg College                       | 105  | 11600 | 3610 |

|  |      |       |      |
|--|------|-------|------|
| ## Clarke College                          | 350  | 10740 | 3676 |
| ## University of San Francisco             | 549  | 13226 | 6452 |
| ## Salem-Teikyo University                 | 45   | 10575 | 3952 |
| ## Kansas Wesleyan University              | 258  | 8400  | 3250 |
| ## Augustana College IL                    | 38   | 13353 | 4173 |
| ## University of Maine at Presque Isle     | 503  | 6600  | 3630 |
| ## Stonehill College                       | 926  | 12170 | 6172 |
| ## Manchester College                      | 51   | 10440 | 3850 |
| ## Millikin University                     | 95   | 11910 | 4378 |
| ## Western New England College             | 1116 | 8994  | 5500 |
| ## Beaver College                          | 519  | 12850 | 5400 |
| ## Stephens College                        | 388  | 13900 | 5200 |
| ## Allentown Coll. of St. Francis de Sales | 638  | 9690  | 4785 |
| ## Rutgers State University at Newark      | 1886 | 7410  | 4748 |
| ## Christopher Newport University          | 1749 | 7860  | 4750 |
| ## Eckerd College                          | 23   | 15360 | 4080 |
| ## Milligan College                        | 49   | 8200  | 3300 |
| ## Saint Olaf College                      | 105  | 14350 | 3750 |
| ## Lock Haven University of Pennsylvania   | 325  | 7352  | 3620 |
| ## Lakeland College                        | 1957 | 9400  | 4005 |
| ## Greensboro College                      | 314  | 8330  | 3770 |
| ## Central Connecticut State University    | 3881 | 5962  | 4444 |
| ## Hobart and William Smith Colleges       | 5    | 19029 | 5841 |
| ## Wesley College                          | 448  | 9890  | 4674 |
| ## Central Missouri State University       | 1596 | 4620  | 3288 |
| ## Rockhurst College                       | 754  | 9490  | 4100 |
| ## Spelman College                         | 107  | 7000  | 5565 |
| ## Bentley College                         | 1533 | 13800 | 5510 |
| ## Bluefield College                       | 129  | 7150  | 4350 |
| ## Western Michigan University             | 4278 | 6940  | 4100 |
| ## Jersey City State College               | 1394 | 3946  | 4800 |
| ## Bethel College KS                       | 101  | 8540  | 3580 |
| ## Xavier University                       | 1107 | 11520 | 4960 |
| ## Drake University                        | 726  | 13420 | 4770 |
| ## College of Notre Dame of Maryland       | 1983 | 11180 | 5620 |
| ## Belmont University                      | 623  | 7800  | 3664 |
| ## Alma College                            | 28   | 12572 | 4552 |
| ## Jamestown College                       | 71   | 7620  | 3050 |
| ## Wabash College                          | 5    | 12925 | 4195 |
| ## Virginia Union University               | 67   | 7384  | 3494 |
| ## Westminster College MO                  | 37   | 10720 | 4050 |
| ## Oakland University                      | 3982 | 9114  | 4030 |
| ## Auburn University-Main Campus           | 1716 | 6300  | 3933 |
| ## Illinois State University               | 1823 | 7799  | 3403 |
| ## Wentworth Institute of Technology       | 572  | 9850  | 6050 |
| ## Goshen College                          | 166  | 9420  | 3730 |
| ## Johnson State College                   | 345  | 7656  | 4690 |
| ## York College of Pennsylvania            | 1726 | 4990  | 3560 |
| ## Southwest Missouri State University     | 3374 | 4740  | 2590 |
| ## Butler University                       | 148  | 13130 | 4650 |
| ## Lawrence University                     | 74   | 17163 | 3891 |
| ## University of Richmond                  | 594  | 14500 | 3285 |
| ## Hood College                            | 399  | 13960 | 6040 |
| ## Brigham Young University at Provo       | 1253 | 2340  | 3580 |

|   |      |       |      |
|---|------|-------|------|
| ## Rosary College                               | 269  | 10950 | 4600 |
| ## Campbell University                          | 1204 | 7550  | 2790 |
| ## Wingate College                              | 157  | 7820  | 3400 |
| ## Rhodes College                               | 59   | 15200 | 4768 |
| ## St. John Fisher College                      | 677  | 10570 | 5600 |
| ## University of Scranton                       | 493  | 11584 | 5986 |
| ## Franklin Pierce College                      | 1197 | 13320 | 4630 |
| ## Marshall University                          | 2339 | 5094  | 4010 |
| ## Mankato State University                     | 1792 | 4300  | 2643 |
| ## University of Oregon                         | 1605 | 10602 | 3660 |
| ## College of Notre Dame                        | 331  | 12600 | 5520 |
| ## Kentucky Wesleyan College                    | 121  | 8000  | 4150 |
| ## Lycoming College                             | 74   | 13900 | 4300 |
| ## Cumberland College                           | 122  | 6230  | 3526 |
| ## Manhattanville College                       | 150  | 14700 | 6550 |
| ## Seton Hall University                        | 1530 | 12000 | 6484 |
| ## Lynchburg College                            | 280  | 12450 | 5400 |
| ## Union College NY                             | 123  | 18732 | 6204 |
| ## University of Illinois at Chicago            | 2916 | 7230  | 5088 |
| ## Christian Brothers University                | 364  | 9300  | 3260 |
| ## University of Miami                          | 876  | 16500 | 6526 |
| ## Saint Mary's College of Minnesota            | 118  | 10800 | 3600 |
| ## Marymount University                         | 776  | 11390 | 5280 |
| ## Wesleyan University                          | 27   | 19130 | 5600 |
| ## University of Sci. and Arts of Oklahoma      | 473  | 3687  | 1920 |
| ## Immaculata College                           | 1305 | 10000 | 5364 |
| ## Fordham University                           | 1646 | 14235 | 6965 |
| ## Mount Union College                          | 144  | 12250 | 3530 |
| ## Geneva College                               | 258  | 9476  | 4820 |
| ## Williams College                             | 29   | 19629 | 5790 |
| ## Averett College                              | 538  | 9925  | 4135 |
| ## Northwest Nazarene College                   | 60   | 9840  | 2820 |
| ## Virginia Wesleyan College                    | 417  | 10900 | 5100 |
| ## University of Connecticut at Storrs          | 1660 | 11656 | 5072 |
| ## University of Virginia                       | 114  | 12212 | 3792 |
| ## Freed-Hardeman University                    | 50   | 5500  | 3340 |
| ## Baker University                             | 466  | 8620  | 4100 |
| ## Lewis University                             | 1423 | 10560 | 4520 |
| ## Moorhead State University                    | 1075 | 4426  | 2664 |
| ## Saint Francis College                        | 451  | 10880 | 5050 |
| ## University of Maine at Machias               | 317  | 6600  | 3680 |
| ## Bennington College                           | 2    | 21700 | 4100 |
| ## Guilford College                             | 299  | 13404 | 5160 |
| ## Bethel College                               | 74   | 6200  | 2900 |
| ## Westfield State College                      | 941  | 5542  | 3788 |
| ## Southern Illinois University at Edwardsville | 2550 | 5472  | 3598 |
| ## Dowling College                              | 2458 | 9000  | 3100 |
| ## Marian College of Fond du Lac                | 653  | 9400  | 3400 |
| ## Sioux Falls College                          | 271  | 8990  | 3064 |
| ## Monmouth College IL                          | 11   | 13000 | 4100 |
| ## Saint Mary-of-the-Woods College              | 768  | 10300 | 4130 |
| ## Upper Iowa University                        | 1160 | 8840  | 3060 |
| ## Voorhees College                             | 20   | 4450  | 2522 |
| ## Pacific University                           | 35   | 14210 | 3994 |

|   |      |       |      |
|---|------|-------|------|
| ## Willamette University                        | 159  | 14800 | 4620 |
| ## Siena Heights College                        | 287  | 9240  | 3880 |
| ## St. Thomas Aquinas College                   | 815  | 8650  | 5700 |
| ## Washington and Lee University                | 3    | 13750 | 4619 |
| ## Alverno College                              | 1235 | 8352  | 3640 |
| ## Claflin College                              | 13   | 4412  | 2460 |
| ## University of Maine at Farmington            | 344  | 6810  | 3970 |
| ## Ramapo College of New Jersey                 | 1938 | 4449  | 4860 |
| ## Central College                              | 40   | 10938 | 3660 |
| ## Ursuline College                             | 717  | 9600  | 4202 |
| ## Hardin-Simmons University                    | 334  | 6300  | 2980 |
| ## Fontbonne College                            | 337  | 8390  | 4100 |
| ## University of California at Irvine           | 864  | 12024 | 5302 |
| ## Keuka College                                | 55   | 9600  | 4550 |
| ## Beloit College                               | 81   | 16304 | 3616 |
| ## Baylor University                            | 484  | 6450  | 3920 |
| ## University of Detroit Mercy                  | 2217 | 11130 | 3996 |
| ## Samford University                           | 402  | 8236  | 3700 |
| ## Southwestern Adventist College               | 280  | 7536  | 3736 |
| ## Saint Xavier University                      | 726  | 10860 | 4624 |
| ## Harvey Mudd College                          | 5    | 17230 | 6690 |
| ## Virginia Commonwealth University             | 5065 | 10217 | 4182 |
| ## Arkansas Tech University                     | 939  | 3460  | 2650 |
| ## New Mexico Institute of Mining and Tech.     | 411  | 5376  | 3214 |
| ## Pennsylvania State Univ. Main Campus         | 2025 | 10645 | 4060 |
| ## Meredith College                             | 470  | 6720  | 3250 |
| ## SUNY College at Oswego                       | 869  | 6550  | 4810 |
| ## University of New England                    | 159  | 11450 | 5045 |
| ## Wells College                                | 19   | 14900 | 5550 |
| ## Allegheny College                            | 44   | 17080 | 4440 |
| ## McPherson College                            | 80   | 7950  | 3750 |
| ## Trinity College VT                           | 541  | 11010 | 5208 |
| ## Bridgewater College                          | 55   | 10265 | 4725 |
| ## Saint Vincent College                        | 182  | 10850 | 3936 |
| ## Blackburn College                            | 27   | 6500  | 2700 |
| ## University of Mississippi                    | 804  | 4916  | 3810 |
| ## Sacred Heart University                      | 1889 | 11070 | 5780 |
| ## Johns Hopkins University                     | 1569 | 18800 | 6740 |
| ## Clinch Valley Coll. of the Univ. of Virginia | 422  | 7168  | 3689 |
| ## College of Saint Catherine                   | 562  | 12224 | 4440 |
| ## Culver-Stockton College                      | 112  | 8000  | 3700 |
| ## Carroll College                              | 737  | 12200 | 3880 |
| ## Cedarville College                           | 82   | 7344  | 4410 |
| ## Concordia College at St. Paul                | 181  | 10500 | 3750 |
| ## Philadelphia Coll. of Textiles and Sci.      | 1042 | 11690 | 5062 |
| ## Manhattan College                            | 254  | 12370 | 6800 |
| ## Hiram College                                | 275  | 14067 | 4560 |
| ## Mississippi University for Women             | 1014 | 4386  | 2217 |
| ## Yale University                              | 83   | 19840 | 6510 |
| ## Valparaiso University                        | 198  | 11800 | 3260 |
| ## Barat College                                | 266  | 9690  | 4300 |
| ## Hollins College                              | 74   | 13470 | 5515 |
| ## Tulane University                            | 1534 | 19040 | 5950 |
| ## Waynesburg College                           | 61   | 8840  | 3620 |

|  |      |       |      |
|--|------|-------|------|
| ## Cornell College                           | 10   | 15248 | 4323 |
| ## Centenary College                         | 526  | 11400 | 5400 |
| ## Texas Lutheran College                    | 429  | 7850  | 3410 |
| ## West Virginia Wesleyan College            | 170  | 14200 | 3775 |
| ## Nazareth College of Rochester             | 471  | 10850 | 5150 |
| ## University of Pittsburgh-Main Campus      | 4289 | 10786 | 4560 |
| ## Saint Francis College IN                  | 247  | 8670  | 3820 |
| ## East Tennessee State University           | 2640 | 5800  | 3000 |
| ## Baldwin-Wallace College                   | 1460 | 10995 | 4410 |
| ## University of West Florida                | 2477 | 6172  | 3994 |
| ## Colgate University                        | 25   | 19510 | 5565 |
| ## Wake Forest University                    | 172  | 13850 | 4360 |
| ## Loyola Marymount University               | 436  | 13592 | 5916 |
| ## SUNY College at Buffalo                   | 2091 | 6550  | 4040 |
| ## Montclair State University                | 3186 | 3648  | 4834 |
| ## University of Delaware                    | 4522 | 10220 | 4230 |
| ## Marquette University                      | 804  | 11610 | 4760 |
| ## William Woods University                  | 120  | 10535 | 4365 |
| ## University of South Carolina at Aiken     | 1412 | 5800  | 3066 |
| ## Fresno Pacific College                    | 63   | 9900  | 3670 |
| ## Saint Joseph's University                 | 1314 | 12750 | 6350 |
| ## West Chester University of Penn.          | 1904 | 7844  | 4108 |
| ## Emory University                          | 192  | 17600 | 6000 |
| ## Texas Southern University                 | 3101 | 7860  | 3360 |
| ## Saint Joseph's College                    | 2196 | 9985  | 5180 |
| ## Loyola University Chicago                 | 3417 | 11500 | 5330 |
| ## Whitman College                           | 46   | 16670 | 4900 |
| ## Southwest State University                | 546  | 4285  | 2750 |
| ## Roger Williams University                 | 1489 | 12520 | 6050 |
| ## Ohio Wesleyan University                  | 48   | 16732 | 5650 |
| ## Houghton College                          | 26   | 9990  | 3550 |
| ## Green Mountain College                    | 42   | 11750 | 2700 |
| ## Wellesley College                         | 156  | 18345 | 5995 |
| ## Saint Ambrose University                  | 390  | 10450 | 4020 |
| ## Huntington College                        | 43   | 9950  | 3920 |
| ## Barry University                          | 3144 | 11290 | 5360 |
| ## Wheeling Jesuit College                   | 305  | 10500 | 4545 |
| ## Eastern College                           | 355  | 11190 | 4800 |
| ## Whitworth College                         | 160  | 12660 | 4500 |
| ## Fayetteville State University             | 617  | 6806  | 2550 |
| ## Western State College of Colorado         | 146  | 5918  | 3755 |
| ## Skidmore College                          | 263  | 18710 | 5970 |
| ## California State University at Fresno     | 1254 | 7706  | 4368 |
| ## Rensselaer Polytechnic Institute          | 16   | 17475 | 5976 |
| ## Saint Anselm College                      | 94   | 12950 | 5400 |
| ## Adrian College                            | 99   | 11250 | 3750 |
| ## University of North Carolina at Charlotte | 3255 | 7248  | 3109 |
| ## Wheaton College IL                        | 56   | 11480 | 4200 |
| ## Louisiana Tech University                 | 1822 | 3957  | 2325 |
| ## Bellarmine College                        | 605  | 8840  | 2950 |
| ## Loyola College                            | 184  | 12990 | 6300 |
| ## Polytechnic University                    | 214  | 16200 | 4200 |
| ## University of Southern California         | 1429 | 17230 | 6482 |
| ## University of Mobile                      | 301  | 6150  | 3680 |



|   |       |          |              |
|---|-------|----------|--------------|
| ## John Brown University                    | 99    | 6398     | 3672         |
| ## SUNY College at Geneseo                  | 146   | 6550     | 4170         |
| ## Mount Marty College                      | 435   | 6844     | 2980         |
| ## Grace College and Seminary               | 113   | 8958     | 3670         |
| ##  | Books | Personal | PhD Terminal |
| ## North Central College                    | 450   | 1800     | 73 87        |
| ## Gordon College                           | 400   | 1200     | 73 82        |
| ## Indiana University at Bloomington        | 600   | 2000     | 77 88        |
| ## Juniata College                          | 450   | 420      | 97 97        |
| ## Niagara University                       | 450   | 650      | 68 100       |
| ## Point Park College                       | 400   | 1200     | 45 90        |
| ## College of Saint Benedict                | 500   | 600      | 70 88        |
| ## Capital University                       | 500   | 800      | 64 69        |
| ## University of Massachusetts at Dartmouth | 500   | 1250     | 74 90        |
| ## Cedar Crest College                      | 500   | 1000     | 58 83        |
| ## Canisius College                         | 400   | 1130     | 90 92        |
| ## Elmira College                           | 450   | 550      | 77 98        |
| ## Longwood College                         | 550   | 2200     | 74 80        |
| ## New York University                      | 450   | 1000     | 87 98        |
| ## University of Southern Mississippi       | 500   | 500      | 78 99        |
| ## Augsburg College                         | 540   | 950      | 65 65        |
| ## Huron University                         | 600   | 1840     | 31 35        |
| ## Southwestern College                     | 550   | 1500     | 56 56        |
| ## College of Santa Fe                      | 600   | 1200     | 40 74        |
| ## Simmons College                          | 500   | 1200     | 74 81        |
| ## Daniel Webster College                   | 500   | 500      | 61 61        |
| ## Southern California College              | 630   | 1818     | 63 65        |
| ## Marywood College                         | 600   | 700      | 65 76        |
| ## Maryville College                        | 500   | 1642     | 80 90        |
| ## Stetson University                       | 600   | 1365     | 85 90        |
| ## Webster University                       | 500   | 500      | 68 68        |
| ## North Dakota State University            | 600   | 2000     | 79 83        |
| ## Wayne State College                      | 540   | 1660     | 60 68        |
| ## North Park College                       | 400   | 970      | 76 79        |
| ## King's College                           | 400   | 1795     | 66 72        |
| ## University of Wisconsin at Madison       | 535   | 1545     | 93 96        |
| ## Dickinson State University               | 600   | 2000     | 50 64        |
| ## Washington State University              | 800   | 2719     | 84 87        |
| ## Eastern Mennonite College                | 600   | 1300     | 46 65        |
| ## University of Tennessee at Knoxville     | 750   | 3300     | 86 92        |
| ## Mount Vernon Nazarene College            | 600   | 600      | 57 57        |
| ## University of Kansas                     | 700   | 2681     | 88 94        |
| ## Rowan College of New Jersey              | 800   | 800      | 76 81        |
| ## Lyndon State College                     | 500   | 600      | 48 65        |
| ## Hastings College                         | 500   | 1902     | 57 63        |
| ## Ohio University                          | 550   | 2300     | 79 87        |
| ## George Washington University             | 700   | 950      | 92 93        |
| ## St. Martin's College                     | 300   | 500      | 43 77        |
| ## Western Washington University            | 639   | 2385     | 83 89        |
| ## University of Wisconsin at Milwaukee     | 570   | 1980     | 79 87        |
| ## Capitol College                          | 300   | 2134     | 10 50        |
| ## Marymount College Tarrytown              | 575   | 1075     | 71 93        |
| ## Westminster College PA                   | 700   | 850      | 92 96        |
| ## University of Oklahoma                   | 765   | 3176     | 86 90        |

|   |     |      |    |     |
|---|-----|------|----|-----|
| ## Texas Wesleyan University                  | 600 | 1800 | 80 | 83  |
| ## University of Puget Sound                  | 630 | 1800 | 79 | 86  |
| ## Washington College                         | 500 | 300  | 79 | 86  |
| ## Point Loma Nazarene College                | 800 | 750  | 71 | 71  |
| ## California Lutheran University             | 612 | 576  | 72 | 74  |
| ## Northwest Missouri State University        | 250 | 1630 | 62 | 65  |
| ## Berry College                              | 350 | 2375 | 80 | 80  |
| ## Hope College                               | 465 | 1100 | 72 | 81  |
| ## Bemidji State University                   | 660 | 1800 | 57 | 62  |
| ## South Dakota State University              | 500 | 1970 | 62 | 65  |
| ## Southwestern University                    | 600 | 1050 | 83 | 89  |
| ## Fairfield University                       | 700 | 1100 | 86 | 90  |
| ## University of Cincinnati                   | 556 | 1851 | 89 | 95  |
| ## Saint Cloud State University               | 350 | 1884 | 70 | 75  |
| ## University of Charleston                   | 400 | 750  | 26 | 58  |
| ## Boston University                          | 475 | 1025 | 80 | 81  |
| ## Lenoir-Rhyne College                       | 400 | 1000 | 88 | 92  |
| ## Colorado State University                  | 470 | 1800 | 87 | 89  |
| ## Creighton University                       | 650 | 2055 | 85 | 90  |
| ## George Fox College                         | 400 | 1050 | 53 | 53  |
| ## Bethune Cookman College                    | 650 | 2500 | 48 | 48  |
| ## University of Maryland at Baltimore County | 494 | 2768 | 82 | 88  |
| ## Georgia State University                   | 720 | 3450 | 87 | 89  |
| ## Rivier College                             | 600 | 1100 | 59 | 59  |
| ## Colorado College                           | 450 | 1200 | 85 | 97  |
| ## University of Utah                         | 858 | 3093 | 89 | 93  |
| ## University of Nebraska at Lincoln          | 500 | 2070 | 86 | 92  |
| ## Georgian Court College                     | 500 | 800  | 56 | 59  |
| ## University of South Carolina at Columbia   | 495 | 2941 | 84 | 88  |
| ## Marist College                             | 550 | 1200 | 74 | 81  |
| ## James Madison University                   | 500 | 732  | 77 | 81  |
| ## Brenau University                          | 500 | 700  | 71 | 80  |
| ## Pacific Union College                      | 630 | 1926 | 48 | 87  |
| ## Defiance College                           | 400 | 1159 | 58 | 60  |
| ## Husson College                             | 350 | 1500 | 36 | 44  |
| ## Mount Saint Mary College                   | 250 | 1400 | 74 | 75  |
| ## Transylvania University                    | 500 | 1000 | 81 | 91  |
| ## Eureka College                             | 330 | 670  | 62 | 87  |
| ## Siena College                              | 575 | 1090 | 71 | 82  |
| ## Pace University                            | 660 | 1115 | 90 | 95  |
| ## College of Saint Rose                      | 800 | 1500 | 66 | 71  |
| ## Gettysburg College                         | 500 | 500  | 94 | 95  |
| ## Mary Washington College                    | 650 | 2102 | 75 | 80  |
| ## Converse College                           | 500 | 900  | 63 | 76  |
| ## Belmont Abbey College                      | 300 | 2480 | 78 | 85  |
| ## University of Minnesota at Duluth          | 753 | 2610 | 79 | 91  |
| ## Concordia University CA                    | 570 | 1515 | 55 | 60  |
| ## Washington University                      | 768 | 1512 | 91 | 98  |
| ## Northeast Missouri State University        | 400 | 1100 | 69 | 72  |
| ## Scripps College                            | 600 | 800  | 95 | 100 |
| ## University of North Carolina at Greensboro | 600 | 1300 | 75 | 94  |
| ## University of Michigan at Ann Arbor        | 476 | 1600 | 90 | 98  |
| ## Albertson College                          | 500 | 675  | 67 | 73  |
| ## Arizona State University Main campus       | 700 | 2100 | 88 | 93  |

|   |     |      |    |     |
|---|-----|------|----|-----|
| ## Hartwick College                       | 500 | 700  | 75 | 87  |
| ## Virginia State University              | 500 | 600  | 61 | 63  |
| ## University of Illinois - Urbana        | 500 | 1982 | 87 | 90  |
| ## DePauw University                      | 550 | 950  | 78 | 94  |
| ## Linfield College                       | 500 | 900  | 89 | 91  |
| ## College Misericordia                   | 550 | 900  | 56 | 62  |
| ## East Carolina University               | 500 | 1700 | 74 | 78  |
| ## Adelphi University                     | 750 | 1500 | 29 | 30  |
| ## Florida International University       | 800 | 3028 | 81 | 96  |
| ## Central Wesleyan College               | 600 | 600  | 62 | 62  |
| ## Worcester State College                | 500 | 1200 | 60 | 60  |
| ## St. Bonaventure University             | 500 | 1050 | 91 | 91  |
| ## Rutgers State University at Camden     | 690 | 2009 | 90 | 95  |
| ## Trinity College CT                     | 500 | 680  | 91 | 96  |
| ## Morris College                         | 850 | 2100 | 53 | 60  |
| ## Quincy University                      | 450 | 1080 | 69 | 71  |
| ## Morningside College                    | 500 | 1000 | 48 | 68  |
| ## Livingstone College                    | 800 | 900  | 53 | 93  |
| ## Carleton College                       | 550 | 550  | 81 | 93  |
| ## Sweet Briar College                    | 500 | 600  | 91 | 99  |
| ## Coe College                            | 500 | 2200 | 73 | 86  |
| ## Clemson University                     | 800 | 1618 | 82 | 88  |
| ## University of Dubuque                  | 400 | 1500 | 85 | 98  |
| ## Amherst College                        | 660 | 1598 | 93 | 98  |
| ## Brown University                       | 720 | 1100 | 99 | 100 |
| ## Ferrum College                         | 500 | 1600 | 53 | 58  |
| ## Cazenovia College                      | 600 | 500  | 22 | 47  |
| ## College of St. Scholastica             | 450 | 1146 | 54 | 76  |
| ## Tusculum College                       | 450 | 800  | 70 | 70  |
| ## Eastern Connecticut State University   | 650 | 500  | 71 | 76  |
| ## Our Lady of the Lake University        | 616 | 1576 | 56 | 64  |
| ## Harvard University                     | 500 | 1920 | 97 | 97  |
| ## Dillard University                     | 500 | 2307 | 52 | 52  |
| ## University of Arkansas at Fayetteville | 500 | 2000 | 73 | 89  |
| ## Westminster College                    | 430 | 685  | 62 | 78  |
| ## University of Hartford                 | 500 | 1440 | 61 | 76  |
| ## Villanova University                   | 400 | 300  | 89 | 90  |
| ## Buena Vista College                    | 450 | 950  | 62 | 69  |
| ## Indiana State University               | 600 | 2500 | 72 | 76  |
| ## Southeast Missouri State University    | 200 | 2150 | 75 | 76  |
| ## Norwich University                     | 500 | 800  | 71 | 74  |
| ## St. Norbert College                    | 425 | 1100 | 74 | 78  |
| ## Franklin College                       | 525 | 1345 | 54 | 78  |
| ## Lehigh University                      | 750 | 1130 | 96 | 99  |
| ## Drew University                        | 520 | 660  | 93 | 97  |
| ## University of Montevallo               | 300 | 600  | 72 | 72  |
| ## Hamilton College                       | 300 | 800  | 91 | 96  |
| ## Oklahoma Christian University          | 500 | 1900 | 58 | 64  |
| ## Smith College                          | 500 | 1050 | 85 | 97  |
| ## Bowling Green State University         | 600 | 1700 | 81 | 89  |
| ## Spring Arbor College                   | 385 | 665  | 48 | 48  |
| ## Saint Joseph College                   | 650 | 950  | 87 | 90  |
| ## Mount St. Mary's College               | 630 | 1278 | 53 | 71  |
| ## Pacific Lutheran University            | 600 | 1516 | 78 | 78  |

|  |     |      |    |    |
|--|-----|------|----|----|
| ## Trinity College DC                      | 500 | 900  | 89 | 93 |
| ## Westmont College                        | 490 | 1410 | 77 | 77 |
| ## Vassar College                          | 600 | 800  | 90 | 98 |
| ## Keene State College                     | 500 | 1150 | 73 | 73 |
| ## Rocky Mountain College                  | 600 | 625  | 56 | 78 |
| ## University of Vermont                   | 500 | 990  | 87 | 90 |
| ## McMurry University                      | 400 | 1525 | 57 | 64 |
| ## Illinois Benedictine College            | 650 | 1500 | 81 | 91 |
| ## University of the South                 | 450 | 810  | 89 | 93 |
| ## University of Wisconsin-Stout           | 376 | 1750 | 78 | 78 |
| ## Wartburg College                        | 400 | 850  | 66 | 91 |
| ## Clarke College                          | 350 | 900  | 67 | 71 |
| ## University of San Francisco             | 750 | 2450 | 86 | 86 |
| ## Salem-Teikyo University                 | 400 | 620  | 46 | 24 |
| ## Kansas Wesleyan University              | 500 | 1400 | 63 | 55 |
| ## Augustana College IL                    | 540 | 821  | 78 | 83 |
| ## University of Maine at Presque Isle     | 400 | 1675 | 67 | 67 |
| ## Stonehill College                       | 480 | 800  | 79 | 79 |
| ## Manchester College                      | 525 | 1450 | 63 | 72 |
| ## Millikin University                     | 450 | 965  | 60 | 77 |
| ## Western New England College             | 498 | 2065 | 74 | 97 |
| ## Beaver College                          | 400 | 800  | 78 | 89 |
| ## Stephens College                        | 450 | 2150 | 46 | 63 |
| ## Allentown Coll. of St. Francis de Sales | 600 | 1000 | 60 | 84 |
| ## Rutgers State University at Newark      | 690 | 2009 | 90 | 95 |
| ## Christopher Newport University          | 525 | 1889 | 80 | 82 |
| ## Eckerd College                          | 600 | 1000 | 82 | 89 |
| ## Milligan College                        | 550 | 1000 | 63 | 69 |
| ## Saint Olaf College                      | 550 | 550  | 82 | 88 |
| ## Lock Haven University of Pennsylvania   | 225 | 500  | 47 | 55 |
| ## Lakeland College                        | 500 | 1000 | 49 | 65 |
| ## Greensboro College                      | 550 | 1300 | 64 | 80 |
| ## Central Connecticut State University    | 500 | 985  | 69 | 73 |
| ## Hobart and William Smith Colleges       | 600 | 600  | 99 | 99 |
| ## Wesley College                          | 500 | 1350 | 52 | 57 |
| ## Central Missouri State University       | 300 | 2250 | 69 | 80 |
| ## Rockhurst College                       | 500 | 1500 | 60 | 79 |
| ## Spelman College                         | 660 | 2400 | 73 | 80 |
| ## Bentley College                         | 630 | 850  | 87 | 87 |
| ## Bluefield College                       | 450 | 1500 | 61 | 67 |
| ## Western Michigan University             | 500 | 1700 | 80 | 84 |
| ## Jersey City State College               | 400 | 1500 | 63 | 67 |
| ## Bethel College KS                       | 500 | 1400 | 61 | 80 |
| ## Xavier University                       | 600 | 1250 | 73 | 75 |
| ## Drake University                        | 560 | 1675 | 88 | 93 |
| ## College of Notre Dame of Maryland       | 600 | 700  | 64 | 64 |
| ## Belmont University                      | 650 | 900  | 61 | 61 |
| ## Alma College                            | 400 | 400  | 79 | 87 |
| ## Jamestown College                       | 400 | 400  | 51 | 53 |
| ## Wabash College                          | 500 | 635  | 78 | 85 |
| ## Virginia Union University               | 500 | 1763 | 51 | 67 |
| ## Westminster College MO                  | 600 | 1650 | 66 | 70 |
| ## Oakland University                      | 400 | 650  | 88 | 90 |
| ## Auburn University-Main Campus           | 600 | 1908 | 85 | 91 |

|  |      |      |    |    |
|--|------|------|----|----|
| ## Illinois State University               | 537  | 2605 | 77 | 84 |
| ## Wentworth Institute of Technology       | 850  | 920  | 10 | 68 |
| ## Goshen College                          | 600  | 1230 | 51 | 56 |
| ## Johnson State College                   | 500  | 624  | 80 | 91 |
| ## York College of Pennsylvania            | 500  | 1250 | 75 | 75 |
| ## Southwest Missouri State University     | 500  | 1360 | 70 | 75 |
| ## Butler University                       | 500  | 1600 | 77 | 81 |
| ## Lawrence University                     | 525  | 975  | 76 | 92 |
| ## University of Richmond                  | 700  | 1125 | 75 | 89 |
| ## Hood College                            | 450  | 690  | 82 | 88 |
| ## Brigham Young University at Provo       | 860  | 1220 | 76 | 76 |
| ## Rosary College                          | 550  | 950  | 79 | 82 |
| ## Campbell University                     | 600  | 500  | 77 | 77 |
| ## Wingate College                         | 550  | 1550 | 69 | 81 |
| ## Rhodes College                          | 550  | 1500 | 90 | 96 |
| ## St. John Fisher College                 | 400  | 800  | 86 | 81 |
| ## University of Scranton                  | 650  | 800  | 83 | 83 |
| ## Franklin Pierce College                 | 500  | 800  | 50 | 56 |
| ## Marshall University                     | 700  | 1560 | 77 | 86 |
| ## Mankato State University                | 450  | 1660 | 57 | 68 |
| ## University of Oregon                    | 570  | 1530 | 79 | 87 |
| ## College of Notre Dame                   | 630  | 2250 | 77 | 80 |
| ## Kentucky Wesleyan College               | 500  | 1300 | 57 | 65 |
| ## Lycoming College                        | 500  | 900  | 75 | 81 |
| ## Cumberland College                      | 400  | 600  | 42 | 44 |
| ## Manhattanville College                  | 450  | 400  | 97 | 97 |
| ## Seton Hall University                   | 650  | 1000 | 81 | 84 |
| ## Lynchburg College                       | 450  | 870  | 62 | 66 |
| ## Union College NY                        | 450  | 1024 | 94 | 96 |
| ## University of Illinois at Chicago       | 630  | 3228 | 82 | 84 |
| ## Christian Brothers University           | 600  | 900  | 81 | 81 |
| ## University of Miami                     | 630  | 1985 | 82 | 94 |
| ## Saint Mary's College of Minnesota       | 400  | 820  | 68 | 74 |
| ## Marymount University                    | 500  | 750  | 77 | 82 |
| ## Wesleyan University                     | 1400 | 1400 | 90 | 94 |
| ## University of Sci. and Arts of Oklahoma | 600  | 1800 | 67 | 77 |
| ## Immaculata College                      | 500  | 1000 | 56 | 64 |
| ## Fordham University                      | 600  | 1735 | 86 | 97 |
| ## Mount Union College                     | 400  | 1150 | 85 | 87 |
| ## Geneva College                          | 500  | 1100 | 67 | 67 |
| ## Williams College                        | 500  | 1200 | 94 | 99 |
| ## Averett College                         | 750  | 1350 | 59 | 67 |
| ## Northwest Nazarene College              | 450  | 822  | 59 | 59 |
| ## Virginia Wesleyan College               | 500  | 550  | 70 | 81 |
| ## University of Connecticut at Storrs     | 700  | 2300 | 89 | 95 |
| ## University of Virginia                  | 500  | 1000 | 90 | 92 |
| ## Freed-Hardeman University               | 600  | 1600 | 68 | 76 |
| ## Baker University                        | 400  | 2250 | 58 | 68 |
| ## Lewis University                        | 500  | 1200 | 36 | 48 |
| ## Moorhead State University               | 600  | 1000 | 76 | 81 |
| ## Saint Francis College                   | 400  | 1235 | 64 | 64 |
| ## University of Maine at Machias          | 600  | 400  | 46 | 46 |
| ## Bennington College                      | 600  | 500  | 35 | 59 |
| ## Guilford College                        | 450  | 1050 | 78 | 86 |

|   |     |      |     |     |
|---|-----|------|-----|-----|
| ## Bethel College                               | 600 | 800  | 63  | 63  |
| ## Westfield State College                      | 500 | 1300 | 75  | 79  |
| ## Southern Illinois University at Edwardsville | 221 | 2216 | 76  | 81  |
| ## Dowling College                              | 450 | 1413 | 77  | 78  |
| ## Marian College of Fond du Lac                | 500 | 1100 | 37  | 37  |
| ## Sioux Falls College                          | 500 | 1700 | 73  | 73  |
| ## Monmouth College IL                          | 400 | 460  | 91  | 91  |
| ## Saint Mary-of-the-Woods College              | 500 | 1700 | 44  | 58  |
| ## Upper Iowa University                        | 500 | 1000 | 69  | 75  |
| ## Voorhees College                             | 500 | 1200 | 43  | 43  |
| ## Pacific University                           | 450 | 1100 | 76  | 76  |
| ## Willamette University                        | 400 | 790  | 91  | 94  |
| ## Siena Heights College                        | 475 | 1090 | 29  | 49  |
| ## St. Thomas Aquinas College                   | 500 | 1750 | 69  | 73  |
| ## Washington and Lee University                | 680 | 1115 | 81  | 96  |
| ## Alverno College                              | 650 | 2449 | 36  | 69  |
| ## Claflin College                              | 500 | 1000 | 69  | 69  |
| ## University of Maine at Farmington            | 450 | 1647 | 67  | 75  |
| ## Ramapo College of New Jersey                 | 600 | 1655 | 74  | 95  |
| ## Central College                              | 650 | 600  | 76  | 90  |
| ## Ursuline College                             | 450 | 750  | 39  | 69  |
| ## Hardin-Simmons University                    | 700 | 2140 | 75  | 79  |
| ## Fontbonne College                            | 350 | 1500 | 45  | 55  |
| ## University of California at Irvine           | 790 | 1818 | 96  | 96  |
| ## Keuka College                                | 600 | 750  | 55  | 94  |
| ## Beloit College                               | 355 | 715  | 87  | 95  |
| ## Baylor University                            | 600 | 1346 | 71  | 76  |
| ## University of Detroit Mercy                  | 600 | 2166 | 72  | 79  |
| ## Samford University                           | 569 | 1650 | 74  | 75  |
| ## Southwestern Adventist College               | 430 | 1651 | 44  | 77  |
| ## Saint Xavier University                      | 600 | 794  | 87  | 100 |
| ## Harvey Mudd College                          | 700 | 900  | 100 | 100 |
| ## Virginia Commonwealth University             | 500 | 3630 | 81  | 87  |
| ## Arkansas Tech University                     | 450 | 1000 | 57  | 60  |
| ## New Mexico Institute of Mining and Tech.     | 600 | 1100 | 99  | 100 |
| ## Pennsylvania State Univ. Main Campus         | 512 | 2394 | 77  | 96  |
| ## Meredith College                             | 450 | 1520 | 77  | 82  |
| ## SUNY College at Oswego                       | 500 | 1500 | 69  | 85  |
| ## University of New England                    | 900 | 2500 | 72  | 75  |
| ## Wells College                                | 600 | 500  | 93  | 98  |
| ## Allegheny College                            | 400 | 600  | 73  | 91  |
| ## McPherson College                            | 600 | 2740 | 54  | 54  |
| ## Trinity College VT                           | 550 | 500  | 58  | 78  |
| ## Bridgewater College                          | 560 | 875  | 68  | 73  |
| ## Saint Vincent College                        | 500 | 900  | 62  | 64  |
| ## Blackburn College                            | 500 | 1000 | 76  | 76  |
| ## University of Mississippi                    | 600 | 550  | 81  | 86  |
| ## Sacred Heart University                      | 400 | 600  | 71  | 73  |
| ## Johns Hopkins University                     | 500 | 1040 | 96  | 97  |
| ## Clinch Valley Coll. of the Univ. of Virginia | 600 | 1900 | 67  | 67  |
| ## College of Saint Catherine                   | 450 | 1000 | 63  | 87  |
| ## Culver-Stockton College                      | 400 | 500  | 51  | 52  |
| ## Carroll College                              | 480 | 930  | 74  | 81  |
| ## Cedarville College                           | 570 | 1000 | 50  | 52  |

|  |      |      |    |    |
|--|------|------|----|----|
| ## Concordia College at St. Paul           | 450  | 950  | 69 | 75 |
| ## Philadelphia Coll. of Textiles and Sci. | 600  | 1664 | 48 | 80 |
| ## Manhattan College                       | 500  | 1800 | 92 | 92 |
| ## Hiram College                           | 400  | 1000 | 75 | 95 |
| ## Mississippi University for Women        | 600  | 1500 | 49 | 54 |
| ## Yale University                         | 630  | 2115 | 96 | 96 |
| ## Valparaiso University                   | 500  | 800  | 87 | 89 |
| ## Barat College                           | 500  | 500  | 57 | 77 |
| ## Hollins College                         | 500  | 850  | 78 | 91 |
| ## Tulane University                       | 350  | 800  | 98 | 98 |
| ## Waynesburg College                      | 500  | 1200 | 57 | 58 |
| ## Cornell College                         | 550  | 800  | 71 | 76 |
| ## Centenary College                       | 500  | 760  | 41 | 85 |
| ## Texas Lutheran College                  | 490  | 1700 | 54 | 58 |
| ## West Virginia Wesleyan College          | 450  | 1100 | 58 | 81 |
| ## Nazareth College of Rochester           | 550  | 800  | 77 | 93 |
| ## University of Pittsburgh-Main Campus    | 400  | 900  | 93 | 93 |
| ## Saint Francis College IN                | 450  | 1000 | 43 | 78 |
| ## East Tennessee State University         | 600  | 2200 | 73 | 75 |
| ## Baldwin-Wallace College                 | 1000 | 1000 | 68 | 74 |
| ## University of West Florida              | 541  | 1387 | 83 | 87 |
| ## Colgate University                      | 500  | 750  | 95 | 98 |
| ## Wake Forest University                  | 500  | 1250 | 95 | 97 |
| ## Loyola Marymount University             | 545  | 1328 | 84 | 88 |
| ## SUNY College at Buffalo                 | 550  | 1230 | 71 | 78 |
| ## Montclair State University              | 700  | 950  | 82 | 87 |
| ## University of Delaware                  | 530  | 1300 | 82 | 87 |
| ## Marquette University                    | 600  | 1950 | 86 | 94 |
| ## William Woods University                | 550  | 3700 | 39 | 66 |
| ## University of South Carolina at Aiken   | 500  | 1500 | 62 | 62 |
| ## Fresno Pacific College                  | 630  | 1818 | 59 | 59 |
| ## Saint Joseph's University               | 350  | 1690 | 84 | 90 |
| ## West Chester University of Penn.        | 400  | 2000 | 76 | 79 |
| ## Emory University                        | 600  | 870  | 97 | 98 |
| ## Texas Southern University               | 600  | 1700 | 65 | 75 |
| ## Saint Joseph's College                  | 500  | 800  | 53 | 89 |
| ## Loyola University Chicago               | 700  | 2000 | 94 | 95 |
| ## Whitman College                         | 750  | 800  | 80 | 83 |
| ## Southwest State University              | 600  | 1800 | 58 | 75 |
| ## Roger Williams University               | 500  | 730  | 44 | 54 |
| ## Ohio Wesleyan University                | 550  | 550  | 93 | 93 |
| ## Houghton College                        | 500  | 1500 | 85 | 90 |
| ## Green Mountain College                  | 400  | 850  | 77 | 83 |
| ## Wellesley College                       | 500  | 700  | 94 | 98 |
| ## Saint Ambrose University                | 500  | 1500 | 56 | 56 |
| ## Huntington College                      | 300  | 1300 | 76 | 76 |
| ## Barry University                        | 600  | 1800 | 76 | 78 |
| ## Wheeling Jesuit College                 | 600  | 600  | 66 | 71 |
| ## Eastern College                         | 450  | 1230 | 60 | 60 |
| ## Whitworth College                       | 678  | 2424 | 80 | 80 |
| ## Fayetteville State University           | 350  | 766  | 75 | 75 |
| ## Western State College of Colorado       | 500  | 2050 | 76 | 79 |
| ## Skidmore College                        | 500  | 700  | 87 | 92 |
| ## California State University at Fresno   | 600  | 1926 | 90 | 90 |

|  |           |             |        |       |
|--|-----------|-------------|--------|-------|
| ## Rensselaer Polytechnic Institute          | 1230      | 1100        | 94     | 98    |
| ## Saint Anselm College                      | 450       | 1120        | 70     | 82    |
| ## Adrian College                            | 400       | 1165        | 53     | 66    |
| ## University of North Carolina at Charlotte | 600       | 1900        | 79     | 91    |
| ## Wheaton College IL                        | 530       | 1400        | 81     | 83    |
| ## Louisiana Tech University                 | 618       | 1656        | 66     | 77    |
| ## Bellarmine College                        | 750       | 1290        | 74     | 82    |
| ## Loyola College                            | 600       | 900         | 86     | 88    |
| ## Polytechnic University                    | 436       | 2486        | 90     | 90    |
| ## University of Southern California         | 600       | 2210        | 90     | 94    |
| ## University of Mobile                      | 550       | 1200        | 59     | 63    |
| ## John Brown University                     | 400       | 1350        | 68     | 68    |
| ## SUNY College at Geneseo                   | 600       | 650         | 79     | 84    |
| ## Mount Marty College                       | 500       | 500         | 45     | 55    |
| ## Grace College and Seminary                | 300       | 1000        | 53     | 59    |
| ##   | S.F.Ratio | perc.alumni | Expend |       |
| ## North Central College                     | 16.4      |             | 33     | 8871  |
| ## Gordon College                            | 14.2      |             | 32     | 9226  |
| ## Indiana University at Bloomington         | 21.3      |             | 24     | 8686  |
| ## Juniata College                           | 12.7      |             | 37     | 12067 |
| ## Niagara University                        | 14.2      |             | 20     | 7788  |
| ## Point Park College                        | 14.5      |             | 10     | 7652  |
| ## College of Saint Benedict                 | 13.1      |             | 26     | 8847  |
| ## Capital University                        | 12.1      |             | 27     | 9557  |
| ## University of Massachusetts at Dartmouth  | 15.0      |             | 20     | 7462  |
| ## Cedar Crest College                       | 11.7      |             | 39     | 10961 |
| ## Canisius College                          | 14.6      |             | 26     | 7972  |
| ## Elmira College                            | 21.5      |             | 21     | 7502  |
| ## Longwood College                          | 18.4      |             | 23     | 5553  |
| ## New York University                       | 7.8       |             | 16     | 21227 |
| ## University of Southern Mississippi        | 18.7      |             | 23     | 5917  |
| ## Augsburg College                          | 12.8      |             | 31     | 7836  |
| ## Huron University                          | 12.9      |             | 4      | 9249  |
| ## Southwestern College                      | 11.8      |             | 12     | 7818  |
| ## College of Santa Fe                       | 14.0      |             | 7      | 8820  |
| ## Simmons College                           | 8.9       |             | 33     | 14086 |
| ## Daniel Webster College                    | 22.2      |             | 10     | 8643  |
| ## Southern California College               | 18.6      |             | 11     | 8219  |
| ## Marywood College                          | 11.8      |             | 30     | 9034  |
| ## Maryville College                         | 11.1      |             | 43     | 8317  |
| ## Stetson University                        | 12.5      |             | 24     | 10307 |
| ## Webster University                        | 20.6      |             | 14     | 6951  |
| ## North Dakota State University             | 17.0      |             | 24     | 6310  |
| ## Wayne State College                       | 20.3      |             | 29     | 4550  |
| ## North Park College                        | 13.1      |             | 24     | 10889 |
| ## King's College                            | 15.6      |             | 37     | 7649  |
| ## University of Wisconsin at Madison        | 11.5      |             | 20     | 11006 |
| ## Dickinson State University                | 16.5      |             | 28     | 4525  |
| ## Washington State University               | 16.9      |             | 30     | 10912 |
| ## Eastern Mennonite College                 | 11.4      |             | 29     | 10188 |
| ## University of Tennessee at Knoxville      | 16.5      |             | 22     | 8612  |
| ## Mount Vernon Nazarene College             | 19.8      |             | 7      | 6869  |
| ## University of Kansas                      | 13.7      |             | 17     | 9657  |
| ## Rowan College of New Jersey               | 22.1      |             | 6      | 7252  |



|   |      |    |       |
|---|------|----|-------|
| ## Lyndon State College                       | 12.6 | 15 | 7114  |
| ## Hastings College                           | 13.0 | 17 | 7335  |
| ## Ohio University                            | 20.4 | 13 | 8811  |
| ## George Washington University               | 7.6  | 15 | 14745 |
| ## St. Martin's College                       | 14.5 | 8  | 9209  |
| ## Western Washington University              | 22.7 | 10 | 7203  |
| ## University of Wisconsin at Milwaukee       | 15.9 | 8  | 8094  |
| ## Capitol College                            | 12.1 | 24 | 7976  |
| ## Marymount College Tarrytown                | 10.3 | 30 | 10502 |
| ## Westminster College PA                     | 13.2 | 41 | 22704 |
| ## University of Oklahoma                     | 11.5 | 11 | 10244 |
| ## Texas Wesleyan University                  | 14.5 | 10 | 7936  |
| ## University of Puget Sound                  | 15.0 | 17 | 11217 |
| ## Washington College                         | 11.2 | 37 | 10830 |
| ## Point Loma Nazarene College                | 16.1 | 19 | 7895  |
| ## California Lutheran University             | 12.4 | 17 | 8985  |
| ## Northwest Missouri State University        | 21.7 | 23 | 5284  |
| ## Berry College                              | 16.3 | 17 | 10511 |
| ## Hope College                               | 12.5 | 40 | 9284  |
| ## Bemidji State University                   | 19.6 | 16 | 3752  |
| ## South Dakota State University              | 15.0 | 29 | 5084  |
| ## Southwestern University                    | 11.3 | 35 | 12995 |
| ## Fairfield University                       | 15.1 | 30 | 11220 |
| ## University of Cincinnati                   | 10.8 | 6  | 13889 |
| ## Saint Cloud State University               | 18.9 | 10 | 4629  |
| ## University of Charleston                   | 2.5  | 10 | 7683  |
| ## Boston University                          | 11.9 | 16 | 16836 |
| ## Lenoir-Rhyne College                       | 12.0 | 20 | 8539  |
| ## Colorado State University                  | 19.2 | 10 | 7850  |
| ## Creighton University                       | 6.5  | 32 | 22906 |
| ## George Fox College                         | 13.5 | 22 | 7136  |
| ## Bethune Cookman College                    | 13.8 | 9  | 6817  |
| ## University of Maryland at Baltimore County | 18.4 | 6  | 7618  |
| ## Georgia State University                   | 19.0 | 10 | 7762  |
| ## Rivier College                             | 12.2 | 19 | 6744  |
| ## Colorado College                           | 11.3 | 51 | 14664 |
| ## University of Utah                         | 12.8 | 9  | 9275  |
| ## University of Nebraska at Lincoln          | 15.1 | 48 | 6813  |
| ## Georgian Court College                     | 12.2 | 27 | 7348  |
| ## University of South Carolina at Columbia   | 16.9 | 18 | 8246  |
| ## Marist College                             | 17.6 | 34 | 8408  |
| ## James Madison University                   | 17.9 | 29 | 5212  |
| ## Brenau University                          | 13.7 | 12 | 5935  |
| ## Pacific Union College                      | 12.3 | 12 | 9157  |
| ## Defiance College                           | 12.8 | 19 | 7505  |
| ## Husson College                             | 22.0 | 4  | 4923  |
| ## Mount Saint Mary College                   | 15.3 | 23 | 6898  |
| ## Transylvania University                    | 12.1 | 41 | 10219 |
| ## Eureka College                             | 10.6 | 31 | 9552  |
| ## Siena College                              | 14.1 | 42 | 8189  |
| ## Pace University                            | 13.8 | 10 | 10059 |
| ## College of Saint Rose                      | 14.3 | 28 | 6084  |
| ## Gettysburg College                         | 12.1 | 32 | 14720 |
| ## Mary Washington College                    | 17.6 | 30 | 5358  |

|   |      |    |       |
|---|------|----|-------|
| ## Converse College                           | 10.2 | 31 | 10965 |
| ## Belmont Abbey College                      | 13.2 | 10 | 7550  |
| ## University of Minnesota at Duluth          | 19.0 | 11 | 6393  |
| ## Concordia University CA                    | 13.1 | 13 | 8415  |
| ## Washington University                      | 3.9  | 31 | 45702 |
| ## Northeast Missouri State University        | 15.7 | 13 | 6601  |
| ## Scripps College                            | 8.2  | 41 | 18372 |
| ## University of North Carolina at Greensboro | 15.5 | 17 | 7392  |
| ## University of Michigan at Ann Arbor        | 11.5 | 26 | 14847 |
| ## Albertson College                          | 9.4  | 11 | 9727  |
| ## Arizona State University Main campus       | 18.9 | 5  | 4602  |
| ## Hartwick College                           | 12.3 | 32 | 11625 |
| ## Virginia State University                  | 16.0 | 11 | 5733  |
| ## University of Illinois - Urbana            | 17.4 | 13 | 8559  |
| ## DePauw University                          | 11.1 | 31 | 11525 |
| ## Linfield College                           | 17.8 | 34 | 8747  |
| ## College Misericordia                       | 12.9 | 23 | 8604  |
| ## East Carolina University                   | 13.2 | 18 | 9002  |
| ## Adelphi University                         | 12.2 | 16 | 10527 |
| ## Florida International University           | 13.9 | 20 | 6722  |
| ## Central Wesleyan College                   | 15.2 | 18 | 3365  |
| ## Worcester State College                    | 21.0 | 14 | 4469  |
| ## St. Bonaventure University                 | 17.7 | 32 | 9828  |
| ## Rutgers State University at Camden         | 18.6 | 12 | 10134 |
| ## Trinity College CT                         | 10.4 | 48 | 18034 |
| ## Morris College                             | 18.6 | 34 | 6990  |
| ## Quincy University                          | 16.3 | 32 | 6880  |
| ## Morningside College                        | 13.0 | 32 | 8111  |
| ## Livingstone College                        | 10.4 | 16 | 9268  |
| ## Carleton College                           | 10.4 | 60 | 17960 |
| ## Sweet Briar College                        | 6.5  | 48 | 18953 |
| ## Coe College                                | 12.7 | 32 | 10141 |
| ## Clemson University                         | 18.0 | 17 | 7597  |
| ## University of Dubuque                      | 16.5 | 18 | 8767  |
| ## Amherst College                            | 8.4  | 63 | 21424 |
| ## Brown University                           | 7.6  | 39 | 20440 |
| ## Ferrum College                             | 12.5 | 9  | 7967  |
| ## Cazenovia College                          | 14.3 | 20 | 7697  |
| ## College of St. Scholastica                 | 11.6 | 33 | 8996  |
| ## Tusculum College                           | 21.9 | 28 | 4933  |
| ## Eastern Connecticut State University       | 16.9 | 14 | 5719  |
| ## Our Lady of the Lake University            | 14.9 | 25 | 7114  |
| ## Harvard University                         | 9.9  | 52 | 37219 |
| ## Dillard University                         | 14.1 | 12 | 7566  |
| ## University of Arkansas at Fayetteville     | 14.8 | 10 | 6820  |
| ## Westminster College                        | 12.5 | 41 | 8596  |
| ## University of Hartford                     | 10.7 | 9  | 10625 |
| ## Villanova University                       | 13.4 | 24 | 10458 |
| ## Buena Vista College                        | 8.8  | 10 | 6333  |
| ## Indiana State University                   | 16.6 | 8  | 6996  |
| ## Southeast Missouri State University        | 17.1 | 8  | 5916  |
| ## Norwich University                         | 13.1 | 22 | 9209  |
| ## St. Norbert College                        | 15.1 | 36 | 8595  |
| ## Franklin College                           | 12.5 | 37 | 11751 |

|  |      |    |       |
|--|------|----|-------|
| ## Lehigh University                       | 12.5 | 43 | 14665 |
| ## Drew University                         | 10.2 | 28 | 14907 |
| ## University of Montevallo                | 18.9 | 8  | 5883  |
| ## Hamilton College                        | 9.6  | 60 | 17761 |
| ## Oklahoma Christian University           | 16.2 | 8  | 6578  |
| ## Smith College                           | 10.3 | 44 | 21199 |
| ## Bowling Green State University          | 21.1 | 14 | 6918  |
| ## Spring Arbor College                    | 15.4 | 9  | 10938 |
| ## Saint Joseph College                    | 11.2 | 32 | 8680  |
| ## Mount St. Mary's College                | 11.9 | 19 | 10613 |
| ## Pacific Lutheran University             | 11.0 | 23 | 9431  |
| ## Trinity College DC                      | 8.3  | 37 | 11806 |
| ## Westmont College                        | 14.9 | 17 | 8837  |
| ## Vassar College                          | 9.7  | 39 | 17089 |
| ## Keene State College                     | 16.1 | 13 | 6195  |
| ## Rocky Mountain College                  | 11.3 | 27 | 6422  |
| ## University of Vermont                   | 9.9  | 10 | 12646 |
| ## McMurry University                      | 11.0 | 11 | 6383  |
| ## Illinois Benedictine College            | 11.6 | 29 | 8324  |
| ## University of the South                 | 10.3 | 52 | 18784 |
| ## University of Wisconsin-Stout           | 21.0 | 17 | 6254  |
| ## Wartburg College                        | 12.4 | 37 | 7735  |
| ## Clarke College                          | 11.0 | 27 | 7963  |
| ## University of San Francisco             | 13.6 | 8  | 10074 |
| ## Salem-Teikyo University                 | 13.0 | 9  | 8946  |
| ## Kansas Wesleyan University              | 12.4 | 14 | 6535  |
| ## Augustana College IL                    | 12.7 | 40 | 9220  |
| ## University of Maine at Presque Isle     | 15.2 | 11 | 6408  |
| ## Stonehill College                       | 13.0 | 30 | 7495  |
| ## Manchester College                      | 11.8 | 20 | 7940  |
| ## Millikin University                     | 11.4 | 25 | 8149  |
| ## Western New England College             | 15.4 | 15 | 8409  |
| ## Beaver College                          | 12.2 | 30 | 8954  |
| ## Stephens College                        | 10.9 | 17 | 9995  |
| ## Allentown Coll. of St. Francis de Sales | 13.3 | 21 | 7940  |
| ## Rutgers State University at Newark      | 17.4 | 16 | 11878 |
| ## Christopher Newport University          | 21.2 | 16 | 4639  |
| ## Eckerd College                          | 12.8 | 26 | 15003 |
| ## Milligan College                        | 12.0 | 16 | 8128  |
| ## Saint Olaf College                      | 10.0 | 31 | 12502 |
| ## Lock Haven University of Pennsylvania   | 16.1 | 14 | 6374  |
| ## Lakeland College                        | 17.2 | 25 | 4054  |
| ## Greensboro College                      | 13.0 | 31 | 7949  |
| ## Central Connecticut State University    | 16.7 | 4  | 4900  |
| ## Hobart and William Smith Colleges       | 12.1 | 37 | 13040 |
| ## Wesley College                          | 14.4 | 15 | 6243  |
| ## Central Missouri State University       | 19.7 | 4  | 5501  |
| ## Rockhurst College                       | 10.7 | 21 | 7519  |
| ## Spelman College                         | 12.5 | 18 | 9988  |
| ## Bentley College                         | 17.5 | 20 | 10941 |
| ## Bluefield College                       | 17.8 | 3  | 6259  |
| ## Western Michigan University             | 24.7 | 11 | 5983  |
| ## Jersey City State College               | 14.9 | 10 | 8367  |
| ## Bethel College KS                       | 8.8  | 32 | 8324  |

|  |      |    |       |
|--|------|----|-------|
| ## Xavier University                       | 13.3 | 31 | 9189  |
| ## Drake University                        | 15.0 | 24 | 9473  |
| ## College of Notre Dame of Maryland       | 11.5 | 32 | 7477  |
| ## Belmont University                      | 11.1 | 19 | 7614  |
| ## Alma College                            | 15.3 | 32 | 9305  |
| ## Jamestown College                       | 17.0 | 21 | 3186  |
| ## Wabash College                          | 9.9  | 55 | 14904 |
| ## Virginia Union University               | 13.7 | 8  | 6757  |
| ## Westminster College MO                  | 12.5 | 20 | 7925  |
| ## Oakland University                      | 19.7 | 13 | 6637  |
| ## Auburn University-Main Campus           | 16.7 | 18 | 6642  |
| ## Illinois State University               | 21.0 | 16 | 5569  |
| ## Wentworth Institute of Technology       | 15.4 | 8  | 17858 |
| ## Goshen College                          | 9.9  | 46 | 10270 |
| ## Johnson State College                   | 14.4 | 15 | 6564  |
| ## York College of Pennsylvania            | 18.1 | 28 | 4509  |
| ## Southwest Missouri State University     | 19.9 | 11 | 4632  |
| ## Butler University                       | 10.9 | 29 | 9511  |
| ## Lawrence University                     | 10.1 | 57 | 13965 |
| ## University of Richmond                  | 11.7 | 32 | 11984 |
| ## Hood College                            | 14.4 | 34 | 12434 |
| ## Brigham Young University at Provo       | 20.5 | 40 | 7916  |
| ## Rosary College                          | 12.9 | 30 | 9264  |
| ## Campbell University                     | 21.8 | 34 | 3739  |
| ## Wingate College                         | 13.9 | 8  | 7264  |
| ## Rhodes College                          | 10.8 | 47 | 13388 |
| ## St. John Fisher College                 | 14.5 | 29 | 7908  |
| ## University of Scranton                  | 14.1 | 41 | 9131  |
| ## Franklin Pierce College                 | 17.6 | 16 | 6418  |
| ## Marshall University                     | 16.6 | 10 | 6203  |
| ## Mankato State University                | 19.0 | 11 | 5801  |
| ## University of Oregon                    | 19.7 | 13 | 8020  |
| ## College of Notre Dame                   | 10.4 | 7  | 9773  |
| ## Kentucky Wesleyan College               | 11.3 | 32 | 7058  |
| ## Lycoming College                        | 14.0 | 32 | 8024  |
| ## Cumberland College                      | 13.0 | 4  | 8189  |
| ## Manhattanville College                  | 11.3 | 24 | 11291 |
| ## Seton Hall University                   | 14.4 | 15 | 10080 |
| ## Lynchburg College                       | 12.4 | 24 | 8832  |
| ## Union College NY                        | 11.5 | 49 | 15411 |
| ## University of Illinois at Chicago       | 10.0 | 6  | 13883 |
| ## Christian Brothers University           | 11.1 | 24 | 8129  |
| ## University of Miami                     | 5.9  | 17 | 17500 |
| ## Saint Mary's College of Minnesota       | 18.8 | 19 | 5081  |
| ## Marymount University                    | 10.6 | 17 | 8575  |
| ## Wesleyan University                     | 12.1 | 39 | 16262 |
| ## University of Sci. and Arts of Oklahoma | 23.6 | 3  | 3864  |
| ## Immaculata College                      | 11.2 | 33 | 7305  |
| ## Fordham University                      | 14.4 | 14 | 10864 |
| ## Mount Union College                     | 16.7 | 35 | 7215  |
| ## Geneva College                          | 20.1 | 26 | 6786  |
| ## Williams College                        | 9.0  | 64 | 22014 |
| ## Averett College                         | 22.4 | 11 | 6523  |
| ## Northwest Nazarene College              | 14.8 | 20 | 6261  |

|   |      |    |       |
|---|------|----|-------|
| ## Virginia Wesleyan College                    | 15.7 | 14 | 7804  |
| ## University of Connecticut at Storrs          | 16.0 | 16 | 10178 |
| ## University of Virginia                       | 9.5  | 22 | 13597 |
| ## Freed-Hardeman University                    | 16.1 | 13 | 6078  |
| ## Baker University                             | 11.0 | 21 | 6136  |
| ## Lewis University                             | 14.3 | 10 | 7701  |
| ## Moorhead State University                    | 18.1 | 19 | 4795  |
| ## Saint Francis College                        | 19.3 | 24 | 7344  |
| ## University of Maine at Machias               | 15.1 | 4  | 5935  |
| ## Bennington College                           | 10.1 | 33 | 16364 |
| ## Guilford College                             | 15.6 | 30 | 9114  |
| ## Bethel College                               | 11.7 | 13 | 7623  |
| ## Westfield State College                      | 15.7 | 20 | 4222  |
| ## Southern Illinois University at Edwardsville | 16.5 | 8  | 7498  |
| ## Dowling College                              | 12.4 | 7  | 11178 |
| ## Marian College of Fond du Lac                | 8.4  | 21 | 5352  |
| ## Sioux Falls College                          | 14.8 | 7  | 7881  |
| ## Monmouth College IL                          | 11.6 | 43 | 11087 |
| ## Saint Mary-of-the-Woods College              | 10.2 | 37 | 9678  |
| ## Upper Iowa University                        | 17.4 | 19 | 3733  |
| ## Voorhees College                             | 22.9 | 3  | 5861  |
| ## Pacific University                           | 10.9 | 22 | 11216 |
| ## Willamette University                        | 13.3 | 37 | 10779 |
| ## Siena Heights College                        | 7.2  | 17 | 9431  |
| ## St. Thomas Aquinas College                   | 16.1 | 13 | 6534  |
| ## Washington and Lee University                | 9.6  | 45 | 15736 |
| ## Alverno College                              | 11.1 | 26 | 8127  |
| ## Claflin College                              | 16.9 | 31 | 7083  |
| ## University of Maine at Farmington            | 15.9 | 26 | 5712  |
| ## Ramapo College of New Jersey                 | 17.8 | 8  | 7333  |
| ## Central College                              | 13.5 | 29 | 8444  |
| ## Ursuline College                             | 10.5 | 15 | 7164  |
| ## Hardin-Simmons University                    | 13.7 | 10 | 7054  |
| ## Fontbonne College                            | 21.5 | 24 | 4607  |
| ## University of California at Irvine           | 16.1 | 11 | 15934 |
| ## Keuka College                                | 13.3 | 43 | 7863  |
| ## Beloit College                               | 11.1 | 26 | 12957 |
| ## Baylor University                            | 18.5 | 38 | 7503  |
| ## University of Detroit Mercy                  | 13.5 | 14 | 10891 |
| ## Samford University                           | 14.7 | 17 | 9533  |
| ## Southwestern Adventist College               | 13.0 | 12 | 5309  |
| ## Saint Xavier University                      | 13.7 | 15 | 8953  |
| ## Harvey Mudd College                          | 8.2  | 46 | 21569 |
| ## Virginia Commonwealth University             | 8.7  | 11 | 11183 |
| ## Arkansas Tech University                     | 19.6 | 5  | 4739  |
| ## New Mexico Institute of Mining and Tech.     | 13.7 | 11 | 9241  |
| ## Pennsylvania State Univ. Main Campus         | 18.1 | 19 | 8992  |
| ## Meredith College                             | 13.9 | 33 | 6881  |
| ## SUNY College at Oswego                       | 22.0 | 21 | 5280  |
| ## University of New England                    | 11.4 | 13 | 9718  |
| ## Wells College                                | 8.3  | 42 | 13935 |
| ## Allegheny College                            | 9.9  | 41 | 11711 |
| ## McPherson College                            | 9.8  | 45 | 9754  |
| ## Trinity College VT                           | 10.4 | 26 | 9586  |

|   |      |    |       |
|---|------|----|-------|
| ## Bridgewater College                          | 13.2 | 24 | 8655  |
| ## Saint Vincent College                        | 12.3 | 31 | 8534  |
| ## Blackburn College                            | 14.3 | 53 | 8377  |
| ## University of Mississippi                    | 20.3 | 14 | 6971  |
| ## Sacred Heart University                      | 14.8 | 16 | 7120  |
| ## Johns Hopkins University                     | 3.3  | 38 | 56233 |
| ## Clinch Valley Coll. of the Univ. of Virginia | 18.1 | 9  | 4417  |
| ## College of Saint Catherine                   | 11.5 | 32 | 7315  |
| ## Culver-Stockton College                      | 14.1 | 28 | 5807  |
| ## Carroll College                              | 17.8 | 25 | 7666  |
| ## Cedarville College                           | 15.3 | 34 | 6897  |
| ## Concordia College at St. Paul                | 12.8 | 18 | 6955  |
| ## Philadelphia Coll. of Textiles and Sci.      | 12.9 | 15 | 8028  |
| ## Manhattan College                            | 13.6 | 25 | 10062 |
| ## Hiram College                                | 10.6 | 34 | 12165 |
| ## Mississippi University for Women             | 15.8 | 8  | 5704  |
| ## Yale University                              | 5.8  | 49 | 40386 |
| ## Valparaiso University                        | 14.2 | 23 | 9681  |
| ## Barat College                                | 9.7  | 35 | 9337  |
| ## Hollins College                              | 11.1 | 48 | 13957 |
| ## Tulane University                            | 9.1  | 21 | 16920 |
| ## Waynesburg College                           | 16.2 | 26 | 6563  |
| ## Cornell College                              | 12.2 | 31 | 10340 |
| ## Centenary College                            | 9.5  | 20 | 9583  |
| ## Texas Lutheran College                       | 13.8 | 24 | 7002  |
| ## West Virginia Wesleyan College               | 16.4 | 42 | 8080  |
| ## Nazareth College of Rochester                | 13.6 | 24 | 8797  |
| ## University of Pittsburgh-Main Campus         | 7.8  | 10 | 13789 |
| ## Saint Francis College IN                     | 12.5 | 4  | 7440  |
| ## East Tennessee State University              | 14.0 | 9  | 9825  |
| ## Baldwin-Wallace College                      | 17.6 | 20 | 8086  |
| ## University of West Florida                   | 23.4 | 12 | 8488  |
| ## Colgate University                           | 10.5 | 45 | 15494 |
| ## Wake Forest University                       | 4.3  | 37 | 41766 |
| ## Loyola Marymount University                  | 14.2 | 10 | 11677 |
| ## SUNY College at Buffalo                      | 18.7 | 12 | 7511  |
| ## Montclair State University                   | 21.5 | 9  | 6717  |
| ## University of Delaware                       | 18.3 | 15 | 10650 |
| ## Marquette University                         | 13.5 | 25 | 9982  |
| ## William Woods University                     | 12.9 | 16 | 7438  |
| ## University of South Carolina at Aiken        | 14.8 | 3  | 5035  |
| ## Fresno Pacific College                       | 10.5 | 14 | 8095  |
| ## Saint Joseph's University                    | 17.4 | 13 | 8243  |
| ## West Chester University of Penn.             | 15.3 | 16 | 6773  |
| ## Emory University                             | 5.0  | 28 | 28457 |
| ## Texas Southern University                    | 18.2 | 21 | 3605  |
| ## Saint Joseph's College                       | 27.2 | 8  | 4322  |
| ## Loyola University Chicago                    | 6.2  | 15 | 13009 |
| ## Whitman College                              | 10.5 | 51 | 13198 |
| ## Southwest State University                   | 16.5 | 31 | 6591  |
| ## Roger Williams University                    | 16.4 | 8  | 7957  |
| ## Ohio Wesleyan University                     | 12.1 | 32 | 12011 |
| ## Houghton College                             | 15.0 | 24 | 8187  |
| ## Green Mountain College                       | 14.0 | 24 | 6475  |

|  |           |    |       |
|--|-----------|----|-------|
| ## Wellesley College                         | 10.6      | 51 | 21409 |
| ## Saint Ambrose University                  | 14.1      | 16 | 7444  |
| ## Huntington College                        | 11.8      | 25 | 9466  |
| ## Barry University                          | 12.6      | 11 | 9084  |
| ## Wheeling Jesuit College                   | 14.1      | 27 | 7494  |
| ## Eastern College                           | 13.6      | 22 | 8135  |
| ## Whitworth College                         | 16.9      | 20 | 8328  |
| ## Fayetteville State University             | 15.1      | 10 | 6972  |
| ## Western State College of Colorado         | 19.4      | 4  | 4599  |
| ## Skidmore College                          | 12.7      | 29 | 14837 |
| ## California State University at Fresno     | 21.2      | 8  | 7268  |
| ## Rensselaer Polytechnic Institute          | 15.4      | 21 | 15605 |
| ## Saint Anselm College                      | 14.5      | 29 | 6719  |
| ## Adrian College                            | 12.9      | 30 | 8735  |
| ## University of North Carolina at Charlotte | 16.8      | 7  | 6227  |
| ## Wheaton College IL                        | 12.7      | 40 | 11916 |
| ## Louisiana Tech University                 | 20.0      | 13 | 4546  |
| ## Bellarmine College                        | 13.1      | 31 | 6668  |
| ## Loyola College                            | 14.7      | 27 | 9448  |
| ## Polytechnic University                    | 10.4      | 14 | 14329 |
| ## University of Southern California         | 11.4      | 10 | 17007 |
| ## University of Mobile                      | 16.6      | 4  | 5412  |
| ## John Brown University                     | 13.3      | 19 | 8118  |
| ## SUNY College at Geneseo                   | 19.1      | 25 | 5716  |
| ## Mount Marty College                       | 11.7      | 38 | 5073  |
| ## Grace College and Seminary                | 15.3      | 26 | 9798  |
| ##   | Grad.Rate |    |       |
| ## North Central College                     | 76        |    |       |
| ## Gordon College                            | 66        |    |       |
| ## Indiana University at Bloomington         | 68        |    |       |
| ## Juniata College                           | 80        |    |       |
| ## Niagara University                        | 65        |    |       |
| ## Point Park College                        | 66        |    |       |
| ## College of Saint Benedict                 | 72        |    |       |
| ## Capital University                        | 83        |    |       |
| ## University of Massachusetts at Dartmouth  | 56        |    |       |
| ## Cedar Crest College                       | 74        |    |       |
| ## Canisius College                          | 64        |    |       |
| ## Elmira College                            | 64        |    |       |
| ## Longwood College                          | 62        |    |       |
| ## New York University                       | 71        |    |       |
| ## University of Southern Mississippi        | 45        |    |       |
| ## Augsburg College                          | 58        |    |       |
| ## Huron University                          | 21        |    |       |
| ## Southwestern College                      | 52        |    |       |
| ## College of Santa Fe                       | 80        |    |       |
| ## Simmons College                           | 79        |    |       |
| ## Daniel Webster College                    | 72        |    |       |
| ## Southern California College               | 43        |    |       |
| ## Marywood College                          | 66        |    |       |
| ## Maryville College                         | 51        |    |       |
| ## Stetson University                        | 73        |    |       |
| ## Webster University                        | 48        |    |       |
| ## North Dakota State University             | 42        |    |       |

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|---|----|
| ## Wayne State College                        | 52 |
| ## North Park College                         | 74 |
| ## King's College                             | 87 |
| ## University of Wisconsin at Madison         | 72 |
| ## Dickinson State University                 | 46 |
| ## Washington State University                | 56 |
| ## Eastern Mennonite College                  | 82 |
| ## University of Tennessee at Knoxville       | 53 |
| ## Mount Vernon Nazarene College              | 58 |
| ## University of Kansas                       | 57 |
| ## Rowan College of New Jersey                | 51 |
| ## Lyndon State College                       | 51 |
| ## Hastings College                           | 52 |
| ## Ohio University                            | 64 |
| ## George Washington University               | 72 |
| ## St. Martin's College                       | 40 |
| ## Western Washington University              | 61 |
| ## University of Wisconsin at Milwaukee       | 38 |
| ## Capitol College                            | 52 |
| ## Marymount College Tarrytown                | 77 |
| ## Westminster College PA                     | 71 |
| ## University of Oklahoma                     | 44 |
| ## Texas Wesleyan University                  | 43 |
| ## University of Puget Sound                  | 63 |
| ## Washington College                         | 65 |
| ## Point Loma Nazarene College                | 54 |
| ## California Lutheran University             | 60 |
| ## Northwest Missouri State University        | 54 |
| ## Berry College                              | 63 |
| ## Hope College                               | 72 |
| ## Bemidji State University                   | 46 |
| ## South Dakota State University              | 67 |
| ## Southwestern University                    | 67 |
| ## Fairfield University                       | 94 |
| ## University of Cincinnati                   | 54 |
| ## Saint Cloud State University               | 58 |
| ## University of Charleston                   | 57 |
| ## Boston University                          | 72 |
| ## Lenoir-Rhyne College                       | 66 |
| ## Colorado State University                  | 59 |
| ## Creighton University                       | 85 |
| ## George Fox College                         | 52 |
| ## Bethune Cookman College                    | 58 |
| ## University of Maryland at Baltimore County | 55 |
| ## Georgia State University                   | 34 |
| ## Rivier College                             | 81 |
| ## Colorado College                           | 84 |
| ## University of Utah                         | 37 |
| ## University of Nebraska at Lincoln          | 53 |
| ## Georgian Court College                     | 76 |
| ## University of South Carolina at Columbia   | 63 |
| ## Marist College                             | 69 |
| ## James Madison University                   | 98 |
| ## Brenau University                          | 49 |



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|---|-----|
| ## Pacific Union College                      | 69  |
| ## Defiance College                           | 56  |
| ## Husson College                             | 84  |
| ## Mount Saint Mary College                   | 88  |
| ## Transylvania University                    | 70  |
| ## Eureka College                             | 53  |
| ## Siena College                              | 100 |
| ## Pace University                            | 62  |
| ## College of Saint Rose                      | 64  |
| ## Gettysburg College                         | 83  |
| ## Mary Washington College                    | 84  |
| ## Converse College                           | 75  |
| ## Belmont Abbey College                      | 52  |
| ## University of Minnesota at Duluth          | 53  |
| ## Concordia University CA                    | 55  |
| ## Washington University                      | 90  |
| ## Northeast Missouri State University        | 76  |
| ## Scripps College                            | 73  |
| ## University of North Carolina at Greensboro | 53  |
| ## University of Michigan at Ann Arbor        | 87  |
| ## Albertson College                          | 55  |
| ## Arizona State University Main campus       | 48  |
| ## Hartwick College                           | 73  |
| ## Virginia State University                  | 31  |
| ## University of Illinois - Urbana            | 81  |
| ## DePauw University                          | 82  |
| ## Linfield College                           | 81  |
| ## College Misericordia                       | 96  |
| ## East Carolina University                   | 58  |
| ## Adelphi University                         | 56  |
| ## Florida International University           | 66  |
| ## Central Wesleyan College                   | 58  |
| ## Worcester State College                    | 40  |
| ## St. Bonaventure University                 | 78  |
| ## Rutgers State University at Camden         | 57  |
| ## Trinity College CT                         | 91  |
| ## Morris College                             | 60  |
| ## Quincy University                          | 80  |
| ## Morningside College                        | 56  |
| ## Livingstone College                        | 92  |
| ## Carleton College                           | 91  |
| ## Sweet Briar College                        | 61  |
| ## Coe College                                | 67  |
| ## Clemson University                         | 73  |
| ## University of Dubuque                      | 45  |
| ## Amherst College                            | 100 |
| ## Brown University                           | 97  |
| ## Ferrum College                             | 22  |
| ## Cazenovia College                          | 118 |
| ## College of St. Scholastica                 | 72  |
| ## Tusculum College                           | 52  |
| ## Eastern Connecticut State University       | 50  |
| ## Our Lady of the Lake University            | 37  |
| ## Harvard University                         | 100 |

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|--|----|
| ## Dillard University                      | 61 |
| ## University of Arkansas at Fayetteville  | 39 |
| ## Westminster College                     | 80 |
| ## University of Hartford                  | 66 |
| ## Villanova University                    | 96 |
| ## Buena Vista College                     | 78 |
| ## Indiana State University                | 40 |
| ## Southeast Missouri State University     | 45 |
| ## Norwich University                      | 63 |
| ## St. Norbert College                     | 88 |
| ## Franklin College                        | 60 |
| ## Lehigh University                       | 91 |
| ## Drew University                         | 83 |
| ## University of Montevallo                | 51 |
| ## Hamilton College                        | 91 |
| ## Oklahoma Christian University           | 45 |
| ## Smith College                           | 90 |
| ## Bowling Green State University          | 67 |
| ## Spring Arbor College                    | 49 |
| ## Saint Joseph College                    | 76 |
| ## Mount St. Mary's College                | 72 |
| ## Pacific Lutheran University             | 83 |
| ## Trinity College DC                      | 96 |
| ## Westmont College                        | 87 |
| ## Vassar College                          | 90 |
| ## Keene State College                     | 61 |
| ## Rocky Mountain College                  | 68 |
| ## University of Vermont                   | 79 |
| ## McMurry University                      | 32 |
| ## Illinois Benedictine College            | 75 |
| ## University of the South                 | 82 |
| ## University of Wisconsin-Stout           | 65 |
| ## Wartburg College                        | 67 |
| ## Clarke College                          | 74 |
| ## University of San Francisco             | 62 |
| ## Salem-Teikyo University                 | 98 |
| ## Kansas Wesleyan University              | 68 |
| ## Augustana College IL                    | 71 |
| ## University of Maine at Presque Isle     | 35 |
| ## Stonehill College                       | 97 |
| ## Manchester College                      | 64 |
| ## Millikin University                     | 75 |
| ## Western New England College             | 59 |
| ## Beaver College                          | 73 |
| ## Stephens College                        | 59 |
| ## Allentown Coll. of St. Francis de Sales | 74 |
| ## Rutgers State University at Newark      | 58 |
| ## Christopher Newport University          | 48 |
| ## Eckerd College                          | 59 |
| ## Milligan College                        | 64 |
| ## Saint Olaf College                      | 83 |
| ## Lock Haven University of Pennsylvania   | 63 |
| ## Lakeland College                        | 57 |
| ## Greensboro College                      | 39 |

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|---|-----|
| ## Central Connecticut State University | 49  |
| ## Hobart and William Smith Colleges    | 79  |
| ## Wesley College                       | 84  |
| ## Central Missouri State University    | 50  |
| ## Rockhurst College                    | 79  |
| ## Spelman College                      | 65  |
| ## Bentley College                      | 82  |
| ## Bluefield College                    | 53  |
| ## Western Michigan University          | 55  |
| ## Jersey City State College            | 26  |
| ## Bethel College KS                    | 56  |
| ## Xavier University                    | 83  |
| ## Drake University                     | 77  |
| ## College of Notre Dame of Maryland    | 75  |
| ## Belmont University                   | 49  |
| ## Alma College                         | 68  |
| ## Jamestown College                    | 54  |
| ## Wabash College                       | 72  |
| ## Virginia Union University            | 30  |
| ## Westminster College MO               | 62  |
| ## Oakland University                   | 53  |
| ## Auburn University-Main Campus        | 69  |
| ## Illinois State University            | 54  |
| ## Wentworth Institute of Technology    | 64  |
| ## Goshen College                       | 72  |
| ## Johnson State College                | 36  |
| ## York College of Pennsylvania         | 99  |
| ## Southwest Missouri State University  | 56  |
| ## Butler University                    | 83  |
| ## Lawrence University                  | 77  |
| ## University of Richmond               | 100 |
| ## Hood College                         | 72  |
| ## Brigham Young University at Provo    | 33  |
| ## Rosary College                       | 81  |
| ## Campbell University                  | 63  |
| ## Wingate College                      | 91  |
| ## Rhodes College                       | 77  |
| ## St. John Fisher College              | 66  |
| ## University of Scranton               | 92  |
| ## Franklin Pierce College              | 51  |
| ## Marshall University                  | 50  |
| ## Mankato State University             | 68  |
| ## University of Oregon                 | 54  |
| ## College of Notre Dame                | 43  |
| ## Kentucky Wesleyan College            | 62  |
| ## Lycoming College                     | 72  |
| ## Cumberland College                   | 63  |
| ## Manhattanville College               | 70  |
| ## Seton Hall University                | 64  |
| ## Lynchburg College                    | 70  |
| ## Union College NY                     | 88  |
| ## University of Illinois at Chicago    | 34  |
| ## Christian Brothers University        | 63  |
| ## University of Miami                  | 59  |

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|---|-----|
| ## Saint Mary's College of Minnesota            | 78  |
| ## Marymount University                         | 55  |
| ## Wesleyan University                          | 92  |
| ## University of Sci. and Arts of Oklahoma      | 43  |
| ## Immaculata College                           | 69  |
| ## Fordham University                           | 80  |
| ## Mount Union College                          | 81  |
| ## Geneva College                               | 74  |
| ## Williams College                             | 99  |
| ## Averett College                              | 48  |
| ## Northwest Nazarene College                   | 58  |
| ## Virginia Wesleyan College                    | 68  |
| ## University of Connecticut at Storrs          | 71  |
| ## University of Virginia                       | 95  |
| ## Freed-Hardeman University                    | 62  |
| ## Baker University                             | 65  |
| ## Lewis University                             | 61  |
| ## Moorhead State University                    | 60  |
| ## Saint Francis College                        | 69  |
| ## University of Maine at Machias               | 64  |
| ## Bennington College                           | 55  |
| ## Guilford College                             | 65  |
| ## Bethel College                               | 35  |
| ## Westfield State College                      | 65  |
| ## Southern Illinois University at Edwardsville | 43  |
| ## Dowling College                              | 42  |
| ## Marian College of Fond du Lac                | 59  |
| ## Sioux Falls College                          | 48  |
| ## Monmouth College IL                          | 56  |
| ## Saint Mary-of-the-Woods College              | 75  |
| ## Upper Iowa University                        | 78  |
| ## Voorhees College                             | 58  |
| ## Pacific University                           | 42  |
| ## Willamette University                        | 68  |
| ## Siena Heights College                        | 47  |
| ## St. Thomas Aquinas College                   | 67  |
| ## Washington and Lee University                | 90  |
| ## Alverno College                              | 55  |
| ## Claflin College                              | 21  |
| ## University of Maine at Farmington            | 59  |
| ## Ramapo College of New Jersey                 | 47  |
| ## Central College                              | 67  |
| ## Ursuline College                             | 68  |
| ## Hardin-Simmons University                    | 38  |
| ## Fontbonne College                            | 62  |
| ## University of California at Irvine           | 66  |
| ## Keuka College                                | 51  |
| ## Beloit College                               | 69  |
| ## Baylor University                            | 72  |
| ## University of Detroit Mercy                  | 51  |
| ## Samford University                           | 61  |
| ## Southwestern Adventist College               | 36  |
| ## Saint Xavier University                      | 55  |
| ## Harvey Mudd College                          | 100 |

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|---|----|
| ## Virginia Commonwealth University             | 45 |
| ## Arkansas Tech University                     | 48 |
| ## New Mexico Institute of Mining and Tech.     | 34 |
| ## Pennsylvania State Univ. Main Campus         | 63 |
| ## Meredith College                             | 82 |
| ## SUNY College at Oswego                       | 63 |
| ## University of New England                    | 64 |
| ## Wells College                                | 69 |
| ## Allegheny College                            | 76 |
| ## McPherson College                            | 48 |
| ## Trinity College VT                           | 78 |
| ## Bridgewater College                          | 82 |
| ## Saint Vincent College                        | 88 |
| ## Blackburn College                            | 51 |
| ## University of Mississippi                    | 53 |
| ## Sacred Heart University                      | 82 |
| ## Johns Hopkins University                     | 90 |
| ## Clinch Valley Coll. of the Univ. of Virginia | 46 |
| ## College of Saint Catherine                   | 77 |
| ## Culver-Stockton College                      | 51 |
| ## Carroll College                              | 79 |
| ## Cedarville College                           | 64 |
| ## Concordia College at St. Paul                | 45 |
| ## Philadelphia Coll. of Textiles and Sci.      | 68 |
| ## Manhattan College                            | 79 |
| ## Hiram College                                | 79 |
| ## Mississippi University for Women             | 63 |
| ## Yale University                              | 99 |
| ## Valparaiso University                        | 95 |
| ## Barat College                                | 71 |
| ## Hollins College                              | 72 |
| ## Tulane University                            | 74 |
| ## Waynesburg College                           | 63 |
| ## Cornell College                              | 64 |
| ## Centenary College                            | 24 |
| ## Texas Lutheran College                       | 50 |
| ## West Virginia Wesleyan College               | 67 |
| ## Nazareth College of Rochester                | 61 |
| ## University of Pittsburgh-Main Campus         | 66 |
| ## Saint Francis College IN                     | 48 |
| ## East Tennessee State University              | 42 |
| ## Baldwin-Wallace College                      | 85 |
| ## University of West Florida                   | 53 |
| ## Colgate University                           | 93 |
| ## Wake Forest University                       | 89 |
| ## Loyola Marymount University                  | 84 |
| ## SUNY College at Buffalo                      | 42 |
| ## Montclair State University                   | 58 |
| ## University of Delaware                       | 75 |
| ## Marquette University                         | 77 |
| ## William Woods University                     | 52 |
| ## University of South Carolina at Aiken        | 48 |
| ## Fresno Pacific College                       | 54 |
| ## Saint Joseph's University                    | 83 |

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|--|----|
| ## West Chester University of Penn.          | 52 |
| ## Emory University                          | 96 |
| ## Texas Southern University                 | 10 |
| ## Saint Joseph's College                    | 85 |
| ## Loyola University Chicago                 | 65 |
| ## Whitman College                           | 72 |
| ## Southwest State University                | 51 |
| ## Roger Williams University                 | 61 |
| ## Ohio Wesleyan University                  | 75 |
| ## Houghton College                          | 67 |
| ## Green Mountain College                    | 76 |
| ## Wellesley College                         | 91 |
| ## Saint Ambrose University                  | 70 |
| ## Huntington College                        | 47 |
| ## Barry University                          | 72 |
| ## Wheeling Jesuit College                   | 72 |
| ## Eastern College                           | 54 |
| ## Whitworth College                         | 80 |
| ## Fayetteville State University             | 24 |
| ## Western State College of Colorado         | 52 |
| ## Skidmore College                          | 81 |
| ## California State University at Fresno     | 61 |
| ## Rensselaer Polytechnic Institute          | 70 |
| ## Saint Anselm College                      | 97 |
| ## Adrian College                            | 54 |
| ## University of North Carolina at Charlotte | 62 |
| ## Wheaton College IL                        | 85 |
| ## Louisiana Tech University                 | 45 |
| ## Bellarmine College                        | 84 |
| ## Loyola College                            | 80 |
| ## Polytechnic University                    | 62 |
| ## University of Southern California         | 68 |
| ## University of Mobile                      | 52 |
| ## John Brown University                     | 75 |
| ## SUNY College at Geneseo                   | 76 |
| ## Mount Marty College                       | 44 |
| ## Grace College and Seminary                | 64 |

(b) Fit a linear model using least squares on the training set, and report the test error obtained.

```
# Fitting a linear model

lm.fit <- lm(Apps ~ ., data = train)

# Predicting the values

lm.pred <- predict(lm.fit, test)

lm.mse <- mean((lm.pred - test$Apps)^2)

lm.mse

## [1] 1527482
```