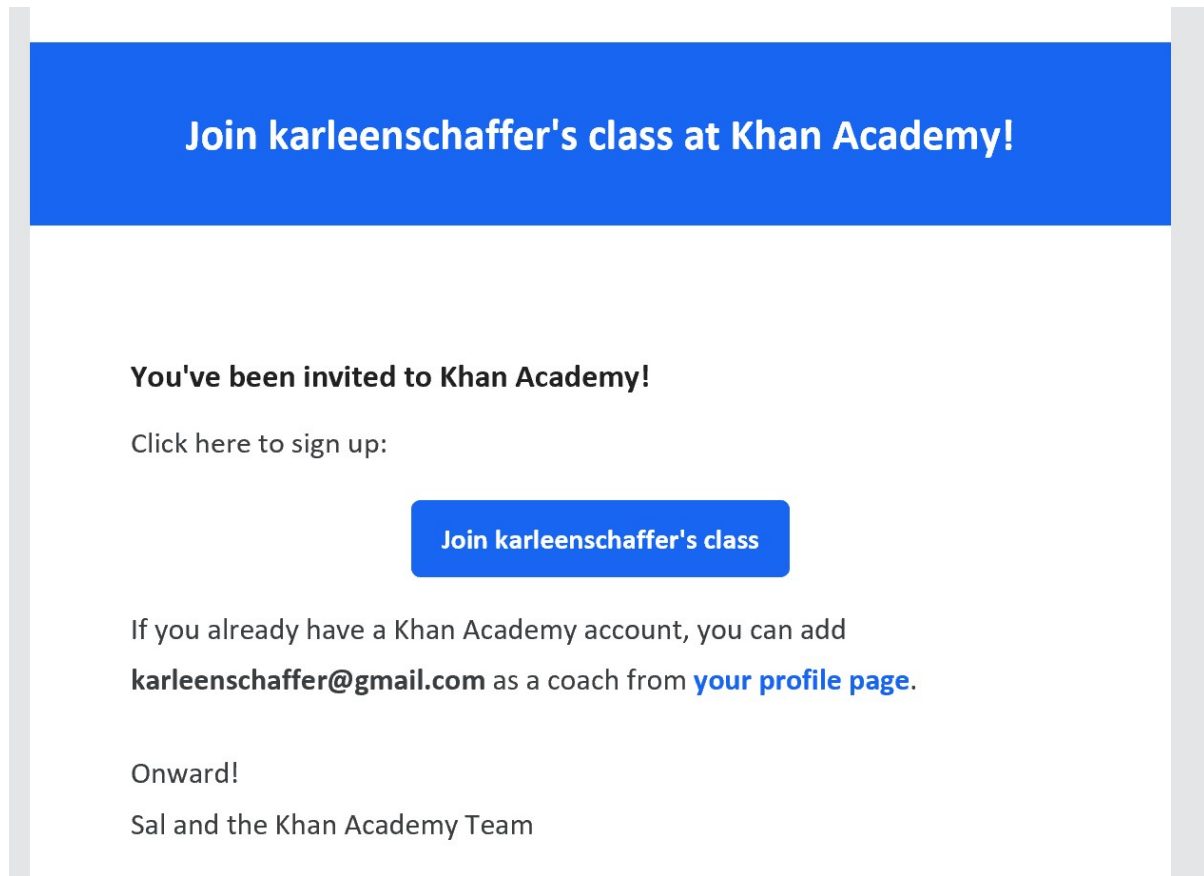
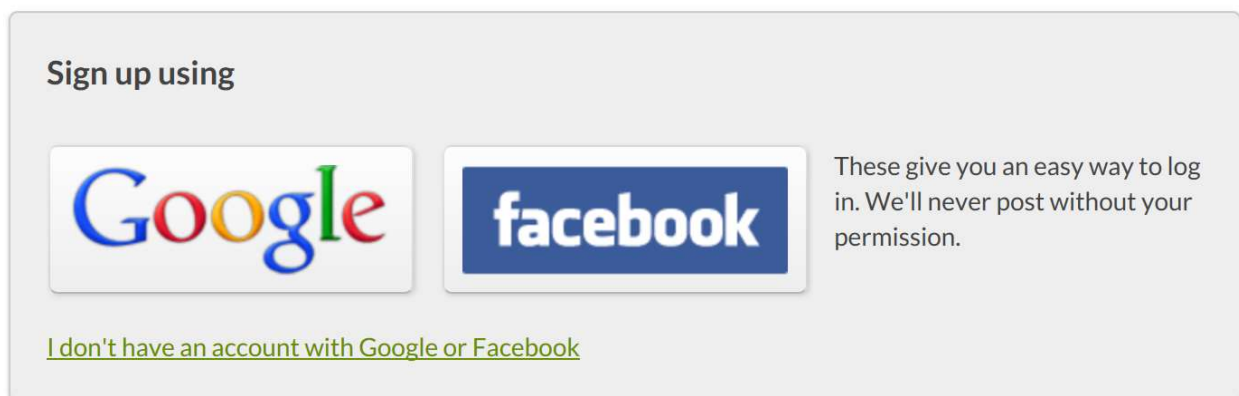


1. You will be sent an e-mail to your Williston e-mail account about signing up for our Khan Academy classroom. It will look like the following:



2. Click on, I don't have an account with Google or Facebook and sign in separately using your Williston E-mail (see green link below) . Please make the user name is your first and last name.



3. You should be able to personalize your page by age and subject (AP Stats).

4. On the main tool bar, click Coaches.

Put the following code in the join a class section.



You can also enter my e-mail KarleenSchaffer@gmail.com for me to be your coach!

Then I will add you to my class! You will be sent an e-mail of your assignments to complete and the due date. If you go to your name in the top right corner of the Website you can click on Profile and then Assignments to see what you have left to complete.

Any problems or questions, please e-mail kschaffer@williston.com.

Overview of Videos and quizzes

Welcome to Stats- Intro to Jeff (2:07)

PART 1:

Analyzing One Categorical Variable

- Identifying individuals, variables and categorical variables in a data set (2:40)
- Creating a bar graph (1 min)
- Reading a bar chart: Comparing two sets of data (1:30)
- Practice

Two Way Tables

- Two-way frequency tables and Venn diagrams (6:20)
- Practice: Two way tables
- Practice: Reading two way frequency tables
- Two way relative frequency tables (4:47)
- Practice: Two way relative frequency tables
- Practice: Reading two way relative frequency tables
- Interpreting two way tables (4:26)
- Practice: Interpreting two way tables

Distributions in two way tables

- Marginal distribution and conditional distribution (6:35)
- Practice: Identifying marginal and conditional distributions
- Practice: Marginal distributions
- Practice: Conditional distributions
- Conditional distributions and relationships

PART 2:

Displaying and comparing quantitative data

- Representing Data (8:15)
- Frequency tables and dot plots (7:18)
- Practice: Creating frequency tables
- Practice: Creating dot plots
- Dot plots and frequency tables review
- Creating a histogram (7:20)
- Interpreting a histogram (4:30)
- Practice: Create histograms
- Practice: Read histograms
- Histograms Review
- Stem-and-leaf plots (6)
- Reading stem and leaf plots (3:05)
- Practice: Reading stem and leaf plot
- Stem and Leaf plots review

Describing and Comparing Distributions

- Shapes of distributions (5:06)
- Practice: Shape of distributions
- Clusters, gaps, peaks and outliers (6:30)
- Practice: Clusters, gaps, peaks and outliers
- Comparing distributions with dot plots (example problem) (4:00)
- Practice: Comparing distributions
- Comparing dot plots, histograms, and box plots (5:25)
- Practice: Comparing data displays
- Example: Comparing distributions (7:17)
- Practice: Comparing data distributions
- Practice: Comparing center and spread

More on data displays

- Reading line graphs (2:20)
- Misleading line graphs (4:52)

Part 3:

Measuring center in quantitative data

- Statistics intro: mean, median, and mode (8:00)
- Mean, median, and mode examples (3:00)

- Median in a histogram (2:00)
- Calculating the mean
- Calculating the median
- Calculating the mean and median from data displays

More on mean and median

- Mean as a balancing point (Article)
- Missing value given the mean (5:00)
- Missing value given the mean
- Impact on median and mean: increasing an outlier (4:00)
- Impact on median and mean: removing an outlier (5:00)
- Effects of shifting, adding, and removing a data point
- Estimating the median and mean in data displays (4:00)
- Estimating the median and mean in data displays

Measuring spread in quantitative data

- Interquartile Rand (IQR) (6:00)
- Interquartile Rand (IQR
- Sample variance (10:00)
- Sample standard deviation and bias (9:00)
- Sample standard deviation
- Visually assessing standard deviation (3:00)
- Visually assessing standard deviation
- Mean and Standard deviation versus median and IQR (7:00)

More on standard deviation (optional)

Box and Whisker plots

- Worked example: Creating a box plot (odd number of data points) (3:00)
- Worked example: Creating a box plot (even number of data points) (3:00)
- Creating box plots
- Reading box plots (3:00)
- Reading box plots
- Interpreting box plots (7:00)
- Interpreting quartiles
- Judging outliers in a dataset (8:00)
- Identifying outliers

I will be able to see that you've completed all practice sessions and watched all videos. You must also provide notes on these sections as you watch the videos. You can do them on OneNote if you can access it or on loose-leaf and upload pictures when you receive your Surface. Take all quizzes/tests that go with each section too. These will not be graded on accuracy but on completion.