



### Lesson 3: Confidence Intervals

#### Transcript

Welcome to the *Statistics and Risk Management Technology Application* section for **Confidence Intervals**. In this this lesson we will discuss integrating **Google Docs Forms** into the classroom. This lesson will focus on the Form feature of Google Docs. Other Technology Application lessons will provide information on other tools inside Google Docs. A Google Docs Form allows students to create a survey that can be shared with their families and friends. Students will receive a detailed summary report after administering their surveys.

To begin, students will need to create a free account on Google. This can be done by going to [www.google.com](http://www.google.com) and selecting **Sign in** on the top right of the page. Below the sign in area, there is a **Create an account now** link. After selecting this link, a student can register an account with Google. This account is free and can be used for all Google services. After registering, a student will need to navigate to the Google Docs section. From the Google Homepage, select the **more** link. In this drop down, select **even more**. This page will present all applications from Google. Under **Communicate, show & share**

there will be a Google Docs link. After selecting Google Docs, if a student is not currently signed in, he/she will need to sign in. After signing in, Google docs will load.

To begin creating a form, select the **Create new** button. In the drop down menu, we will select Form. Now we can build a form. First, we can give the form a name and include any description information. The default form will present two sample questions. A title will need to be added. Help text could be added if desired. Next, we need to determine the question type. Best end results are forms with multiple choices, check boxes, choose from a list, etc. It will be important to explain to the students that static text is hard to analyze when creating a survey. Students should have some end result in mind at the time they are creating the polls.

You'll notice that Web 2.0 features are built in. Questions can be dragged and dropped to different locations. To add a new question, select **Add item**. Choose the item you would like to add. Once added, you will be able to input the information. Let's do one question of each type so you can see the end result. I'll use text as a prompt for their names. Now I'll just add each question type and add information.

Once the form has been created, look at the link on the bottom of the screen. This link is what students need to copy and distribute. Here is an example of the poll I just created. An easy way to save the URL of this poll is to select the address bar, right click and select copy or use the keyboard shortcut CTRL + C. Students can then send the URL out to friends and family.

Let's add some sample information to emulate the experience your students will have. Now that data has been placed, let's take a look at the results. I'll start by showing the process from the beginning.

From Google Docs, select the form. You can change the name of the form by selecting the name and updating the information. The first thing that will be presented is a spreadsheet version of the data. We will want our students to view the summary reports. This can be accomplished by selecting **Form**. In the drop down menu we will select **Show summary of responses**. Likewise, if we wanted to make any edits, we can select **Form** and choose **Edit Form**. Now students have detailed information that can be used during your teaching of Confidence Intervals.

Now that you know about this resource, think of ways it can aid in your teaching.