

Working with Histograms

In this tutorial, we will show you how to work with histograms. We will be using this project [http://isenseproject.org/projects/133/data_sets/] as a sample project, so feel free to click the link and follow along.

Introduction

Let's take a look in the "Histogram" tab. In this project we're looking at the numbers people rolled on some dice. In the histogram, everyone's data is sorted into a bin. If, under fields, you click on either white or yellow dice, we have 6 bins, one for each number you can roll. Every bin is filled about the same because a die is equally likely to show any of its six faces.

Customizations

Let's take a look at the controls. If you have more than one group, like we do, they will all show up in the picture. Click on "Groups" to choose which ones to hide or to change their color. Under "Fields", you can choose which field to sort into bins. Let's try looking at the *sum* of two rolls. We now see that the 7 bin is the fullest. 7 is the most common number you can roll in sum. Under "Tools", we have the option to make the bins bigger or smaller. Let's make them bigger. Now, there are fewer bins, but they can all hold more, so each dice roll number sorts into the bin with the number closest to it.