Andrew Schwarz

Math 304

Dr. Olsen

March 23, 2016

Idea File #5

Let’s go to Vegas with Stats

Mathematical Topic-Finding mean, median, mode, and range.

Purpose or objectives(s)- The purpose of the activity is so the students can have fun finding mean, median, mode, and range. Instead of just giving the students random numbers, I am going to let them pick their numbers from the deck of cards.

Overview- The activity will consist of the students getting into teams of 4 people. I will sit at the front of the room and with the elmo I will draw cards. I will then ask the students to find either the mean, median, mode, or range. I also might through in find multiple. First team to finish each round wins.

Common Core State Standard(s)- CCSSM:S-ID.2. The students will be finding the mean, median, mode and range in this activity.

Mathematical Practice- Model with mathematics because the studetns will be practicing the method of finding mean, median, mode, and range.

Grade levels- 7th and 8th grade statistics, and High School

Background knowledge required of students- The students will need to know how to find mean, median, mode, and range. They should already have a firm grasp of it already prior to the activity.

Source-http://www.education.com/activity/article/Mean\_Mode\_fifth/

Time-About 30 minutes.

Materials needed- The students will need pencils, paper, a deck of 52 playing cards, and a hand out.

Type of activity- This activity is both a teacher led, and a lab. It is both because I will be the one in charge because it is a little compition. On the other hand it is a lab because the students are doing the activity and not just taking notes.

Why you picked this activity- I picked this activity because it is a fun way for the students to get a good understanding of how to solve mean, median, mode, and range. I also picked it because a little compition will always help students, because everyone wants to win.

Follow up activity and/or extension- one extension I will do is on an assessment I might use the cards again, and say, “you draw a 4, king, 3, 5,3,7” what is the mean median and mode of that. Now the students might be happy to see that because they had fun doing it prior to the assessment.

Strengths of the activity-