

Advance Math: Statistics

Koudougou Room

Mr. Hilty (email: e.hilty@iso.bf)

Textbook: *Statistics in Action 2nd Edition*, Key Curriculum Press. 2008

Needs: Folder, notebook (for class notes), lab notebook (quad. ruled paper), graphing calculator (TI-84 preferred), USB key, ruler, and pen or pencil.

Goals and Objectives:

1. Use the vocabulary of statistics when exploring data, looking for patterns, and making inferences.
2. Use formalized procedures to collect data in experiments and surveys.
3. Understand the basic concepts of probability and use probability theory to predict outcomes of random events.
4. Use technology (graphing calculators) and computer software to illustrate and present statistical information.
5. Use statistical data and reasoning skills to make inferences and communicate them in a clear written format.

Statistics Units:

1. Exploring Data (4 weeks)
2. Sampling and Experimentation (2 weeks)
3. Anticipating Patterns (5 weeks)
4. Statistical Inferences (4 weeks)
5. Individual Project (3 weeks)

Assessment:

Participation	Lab Investigations
Homework Problems	Journaling
Oral Presentations	Projects
Quizzes	Tests

Late and Absent Assignments: One assignment per quarter can be counted late. All other late assignments can be turned in for a maximum of half credit. If you are absent you can find a list of missing assignments on the website.

Grading: At the end of each grading period the points will be totaled and the percentages calculated. The grading scale used for this class can be found in the student handbook.

Student Behavior: Students are expected to respect the rights of others to learn, failing to do so will result in disciplinary action. (See ISO's Code of Conduct.)