AGAINST ALL ODDS: INSIDE STATISTICS
a videotape series on introductory (not calculus based) statistics

Available for viewing on the web <http://www.learner.org/resources/resource.html?uid=65>

Follow the appropriate links from <http://www.austincc.edu/mparker/1342/tf>

Each half-hour program contains several documentary segments shot on location to illustrate varied applications of statistics, as well as explanations of the statistical ideas and examples of how to do the computations. The numbers after the titles below are the corresponding sections of David Moore’s textbook, Basic Practice of Statistics, 3rd ed., which is used in the mathematics departments at ACC and at the University of Texas at Austin.

1 What is Statistics?
2 Picturing Distributions 1
3 Numerical Description of Dist’ns 2
4 Normal Distributions 3
5 Normal Calculations 3
6 Time Series 1
7 Models for Growth 5
8 Describing Relationships 4
9 Correlation 4
10 Multidimensional Data Analysis
11 The Question of Causation 5
12 Experimental Design 8
13 Experiments and Samples 7
14 Sampling and Sampling Dist’ns 10
15 What is Probability? 9
16 Random Variables 9
17 Binomial Distributions 12
18 The Sample Mean and Control Charts 10
19 Confidence Intervals 13
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21 Inference for One Mean 16
22 Comparing Two Means 17
23 Inference for Proportions 18, 19
24 Inference for Two-Way Tables 20
25 Inference for Relationships 21
26 Case Study Chs 13-24

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