

STATISTICS 314

- * HW (GRADED) FROM INSTRUCTOR.
- * OTHER HW FROM BOOK — LOOK FOR SOLUTION MANUAL
- * TA OFFICE HOURS ON BB.

HOMEWORK:

- 7 ASSIGNMENTS, DUE BEGINNING OF CLASS, CAN WORK IN GROUPS.

MIDTERMS:

- CLOSED BOOK AND 1 NOTE SHEET. (TEND TO TAKE ENTIRE TIME)

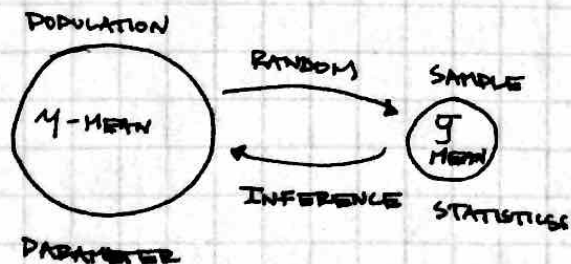
FINAL EXAM:

- OPEN BOOK, OPEN NOTES, NO COMPUTER.
- * WILL USE STATGRAPHICS
- ALSO FIGURE OUT HOW TO USE TI-89 FOR STATISTICS.

TOPICS:

- 1.) GRAPHS / DISPLAYS
- 2.) PROBABILITY
- 3.) DISTRIBUTIONS
- 4.) NORMAL DISTRIBUTION
- 5.) SAMPLING
- 6.) HYPOTHESIS TESTING

INDUCTIVE: DRAW A CONCLUSION ABOUT A WHOLE FROM A SUBSET



FOR WEDNESDAY:

- READ CHAPTERS 1, 2.1-2.3
- DOWNLOAD STATGRAPHICS
- LEARN HOW TO ENTER DATA INTO CALCULATOR

ENGR 391:

- 1ST HW DUE THURSDAY ON BLACKBOARD
- ASSIGNMENTS DUE EVERYWHERE WEEK
- MUST KNOW MICROSOFT OFF PROJECTS
- READ CHAPTERS (ONLY POSSIBLE ON THURSDAY)

NOTES: PROJECT MANAGEMENT

* CHARACTERISTICS OF PROJECT:

- HAS AN OBJECTIVE (WHAT DOES IT LOOK LIKE, FEEL LIKE, ETC...)
- HAVE A BEGINNING AND AN END (KNOW WHEN YOU'RE DONE?)
- REQUIRES ACROSS-THE-ORGANIZATION PARTICIPATION.
- INVOLVES DOING SOMETHING THAT'S NEVER BEEN DONE BEFORE

* PROCESS OF PROJECT MANAGEMENT:

- DEFINE THE PROBLEM
- DEFINE THE PROJECT
- PLAN PROJECT
- PLAN FOR W/ CAN GO WRONG

* ROUTINE REPETITIVE WORK *

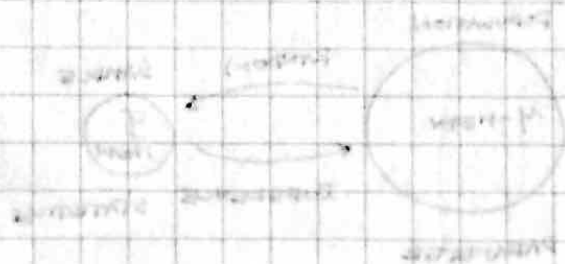
* PROJECTS *

* PROGRAM RELATES MULTIPLE PROJECTS

* 5 GOALS OF A PROJECT MANAGER:

- 1.) FINISH ON TIME
- 2.) FINISH UNDER BUDGET
- 3.) MEET THE REQUIREMENTS
- 4.) HAPPY TEAM
- 5.) HAPPY CUSTOMER

* HW: LOOK ON SLIDES



4/4/2012:

* DISPLAYING DATA

- ASSIGNMENT WILL BE POSTED TONIGHT

4/5/2012

READ CHAPTER 4/5 (ON BB)

- READ CAREFULLY THE MANCHESTER UNITED STUDIES

REVIEW:

4 PHASES:

- DEFINING
- PLANNING
- EXECUTING
- DELIVERING

PROJECT MANAGERS:

- MOTIVATE PEOPLE
- COORDINATE/COMMUNICATION
- DEADLINES
- QUALITY.

A/5/2012

* CHAPTER 2:

- EVERY SIGNIFICANT PROJECT SHOULD CONTRIBUTE TO THE COMPANIES STRATEGIC VISION.

* STRATEGIC MANAGEMENT → DIRECTION

- STRATEGY, DEFINES HOW AN ORGANIZATION UNIQUELY MEETS THE NEEDS OF CUSTOMERS.

- THINK STRATEGICALLY:

- ANTICIPATE
- THINK CRITICALLY (CONSTANTLY QUESTIONING)
- INTERPRET
- DECIDE
- ALIGN
- LEARN

SYNTHASIZE INFORMATION FROM MULTIPLE SOURCES

GETTING SOME LEVEL OF CONSENSUS.

LOOKING FOR INSIGHTS FROM BOTH SUCCESSES AND FAILURES

* PROJECT PORTFOLIO:

- PRIORITIZES

* 3 TYPES:

- COMPLIANCE:

FACTORY BURNS DOWN

STRATEGIC:

OPERATIONAL:

NEW SOFTWARE

* PROJECT PORTFOLIO MATRIX:

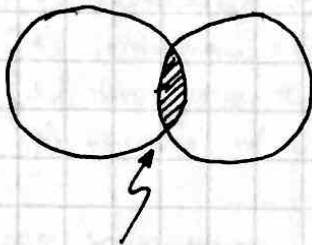
BREAD N' BUTTER A	PEARL C
D WHITE ELEPHANT	B OYSTER

4/9/2012

* HW # 1, OKAY TO ROUND/TRUNCATE FOR 3RD PROBLEM

* CHAPTER 3, MODELING RANDOM BEHAVIOR

- PROBABILITY — USED TO MODEL VARIABILITY
- SAMPLE SPACE: SET OF ALL POSSIBLE OUTCOMES. WHEN THERE IS ONLY 2 OUTCOMES, THE SET IS SAID TO BE BINARY
- COMPLIMENT OF AN EVENT IS THE SET OF ALL OUTCOMES NOT CONTAINED IN A.



$$P(A \cup B) = P(A) + P(B) - P(A \cap B)$$

$$A \text{ AND } B \rightarrow P(A \cap B)$$

- LOOK AT DE-MORGANS LAW
- WHEN $A \cap B = \emptyset$, A AND B ARE SAID TO BE MUTUALLY EXCLUSIVE OR DISJOINT.