Project 1

This project's main goal is to write a program that read the user input and based on this input to decide which probability to calculate.

In program user can select which distribution he wants to calculate. I write switch case for that.

extractDataNormal(FILE *fp, int n, int m) – in this method we have 3 arguments

- first normal distribution csv file which we read values from
- second column in which our result is located
- third row in which our result is located

based on these arguments we use loop for finding given row and column. Then we print result on the screen

void extractDataBinomial(FILE *fp, int x, int p, int n) - In binomial distribution we must do same steps above. Arguments : n (number of trials), x (number of success), p is the probability. I use numberOfTrials(int userInput) this method to convert numberOfTrials coming from User to column in csv file.

void extractDataStudentT(FILE *fp, int n, int m)

void extractDataStudentT(FILE *fp, int n, int m)

void extractDataChi(FILE *fp, int n, int m)

void extractDataTdist(FILE *fp, int n, int m)

The above methods working in the same principle as Normal distribution.

int checkProbFloat(int prob) – this method converts probabilities to convenient column for our goal.