Team Project: Stats Calculator

* For the team plan, we need to mark each task as “To-do, InProgress, INREVIEW, Done”
* All the tasks have been grayed out to show TODO status. Follow the below color scheme for tasks:
  + GREY FOR TODO
  + YELLOW FOR INPROGRESS
  + GREEN FOR DONE
* Maybe we could follow an algorithm like:
  + Write files from one repo to other.
  + Write a brief explanation of each class
  + Change the sets color scheme to BLUE
  + Also change your next set’s color to yellow to show under progress
  + And then commit to your branch
  + After finishing each section, I’ll create pull request and merge them to the master.

TEAM PLAN

|  |  |  |
| --- | --- | --- |
| Hrithik | Ej | Janki |
|  | Branch1 - mathCalc |  |
| Create all files & folders | - | - |
| SUBTRACTION | ADDITION | LOG |
| CALCULATOR.PY | DIVIDE | MULTIPLICATION |
| TEST-CALC | EXPONENTIAL | ROOT |
|  | | |
|  | | |
| Mode | Randoms | Mean |
| Variance | Test-Random | Mean-absolute |
| Stddev | skewness | Median |
| Statistics.py | Zscore | Population\_correlation |
| Test-statistics | Quartiles | Sample\_correlation |
|  | | |
|  | | |
| Simple random | Margin error | Samplesize\_wostdev |
| Systematic\_sampling | Sample confidence interval | Cochran’s sample |
| Sampling.py | Samplesize\_stdev | Confidence\_Interval |
| Test\_sampling |  |  |
| Create Pull Request | | |

Class Descriptions:

* Subtraction.py:
  + This class has a method called difference which takes two parameters minuend and subtrahend
  + Method returns their difference.
* Mode.py:
  + This class has a method that takes one parameter, a list, and returns mode (if any)
  + Otherwise it returns -1
* Standard\_Deviation.py:
  + Takes a list as parameter and return its standard deviation.
  + Uses the following classes to calculate:
    - From MathOperations.Addition import Addition
    - From MathOperations.Division import Division
    - From Descriptive\_Statistics.Mean import Mean
    - From MathOperations.Exponentiation import Exponentiation
    - From MathOperations.nthRoot import nthRoot
* Variance.py:
  + Takes a list as parameter and returns its variance
  + Uses the following classes to calculate:
    - From Descriptive\_Statistics. Standard\_Deviation import Standard\_Deviation
    - From MathOperations.Exponentiation import Exponentiation