



INDIAN INSTITUTE OF TECHNOLOGY MADRAS

TCF EVALUATION - JAN-MAY 2015

Emp ID : 008505 FacultyName: KRISHNA JAGANNATHAN
 CourseNo: EE5121 CourseName: Optimization Methods in Signal Processing and Communications
 Responses/Regn : 19 / 28 Department : Electrical Engineering

Summary

Evaluation	Mean	Median	Std Dev	MAD	Dept Mean	Institute Mean
Course	0.867	0.960	0.000	0.040	0.854	0.820
Instructor	0.919	0.933	0.081	0.067	0.907	0.878

Question-Wise Responses

Question No	SA	A	N	DA	SDA	NA	Mean	Institute Mean
1	15	4					0.958	0.871
2	12	6	1				0.916	0.860
3	12	5	2				0.905	0.897
4	11	5	3				0.884	0.853
5	14	4	1				0.937	0.881
6	11	7				1	0.922	0.891
7	10	5	4				0.863	0.832
8	11	6	2				0.895	0.872
9	18	1					0.989	0.899
10	12	6	1				0.916	0.866
11	12	5	2				0.905	0.846
12	13	2	3				0.911	0.770
13	13	4	2				0.916	0.824
14	14	4	1				0.937	0.864

NOTE: SA (STRONGLY AGREE)=10 A (AGREE)=8 N (NEUTRAL)=6 DA (DISAGREE)=4 SDA (STRONGLY DISAGREE)=2 NA (Not Applicable/Do not wish to answer)=0

Question list

Question No	Question
1	The course objectives were stated clearly and met largely
2	The concepts of the course were communicated well
3	The instructor was enthusiastic about the topics presented
4	The examples/case-studies/illustrations used in the class improved the learning experience
5	The quizzes and exams were graded in an impartial and timely manner
6	The instructor was willing and available for help outside the class if required
7	The instructor took interest in monitoring the progress of the students throughout the course
8	The instructor encouraged student-teacher interaction and other relevant learning activities in the class when required
9	The instructor was punctual and followed the class schedule closely
10	The course was planned and structured well
11	The course motivated me to explore the subject area with interest
12	The involvement of TAs helped effectively in improving the course
13	Tutorials and assignments were conducted effectively
14	Overall, the course provided a good value-addition to my knowledge/skill-set

NOTE: Qn 1 to 9 - Instructor evaluation : Qn 10 to 14 - Course evaluation

Equations used for calculations of the statistical indicators

For a course (Form type A, B or C): We record: $Response(i, j)$: Student i , responding to question j .

Possible response values = 10 (for SA), 8 (for A), 6 (for N), 4 (for DA), 2 (for SDA). If the response is "NA", that response is not considered for analyses.

$i = 1, \dots, n$, where $n = \#$ of responses received for the course.

$j = 1, \dots, m$, where $m = \#$ of questions in the questions for each component (course and instructor).

$$Avg. course. response(i) = \frac{\sum_{j=1}^k Response(i, j)}{k * 10}$$

$$Avg. instructor. response(i) = \frac{\sum_{j=k+1}^m Response(i, j)}{(m - k) * 10}$$

$$Course. Mean = \frac{\sum_{i=1}^n Avg. course. response(i)}{n * 10}$$

$$Course. Median = Median(Avg. course. response(1), \dots, Avg. course. response(n))$$

Course. StDev

$$= Standard. Deviation(Avg. course. response(1), \dots, Avg. course. response(n))$$

Course. MAD

$$= Median(\{Avg. course. response(1) - Course. Median\}, \dots, \{Avg. course. response(n) - Course. Median\})$$

Similarly, for the Instructor part of the evaluation.

$$Que. Mean(j) = \frac{\sum_{i=1}^n Response(i, j)}{n * 10}$$

$$Dept. course. Mean = \frac{\sum_{i=1}^z Avg. course. response(i)}{z},$$

where $z =$ total number of responses for that type of form from that department.

Similarly, we calculate the institute mean.

In calculation of department and institute mean, we omit those responses which correspond to the courses that have fewer than 10 responses.