CHRIST
UNIVERSITY
BENGALURU, INDIA
Declared as Deemed to be University under Section 3 of UGC Act 1956

DEPARTMENT OF STATISTICS
ACADEMIC YEAR 2016-17

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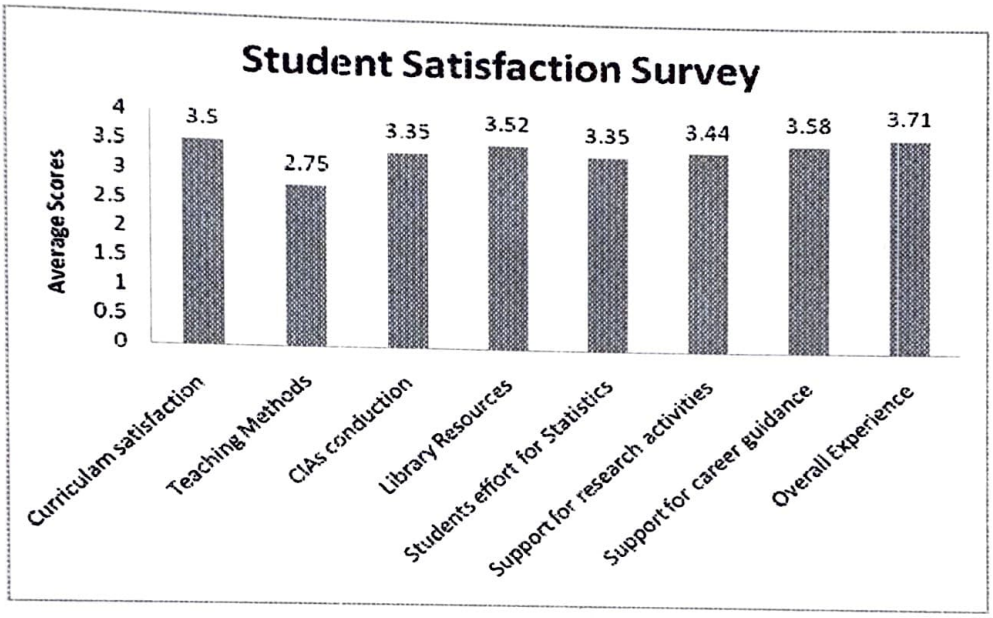
STUDENT FEEDBACK REPORT

Department of Statistics conducted a student feedback survey using standard questionnaire methods using Google forms from final year CMS/EMS students. Following are some of the findings from the feedback survey.



Observations:

1. There is a equal importance for all the subjects Computer Science, Maths, Statistics and Economics while choosing CMS/EMS
2. 55% - 60% of the students have basic knowledge in statistics prior joining the courses
3. Department need to improve the teaching methods comparing to other parameter significantly.
4. There is a increase satisfaction in career guidance comparing to previous academic year 3.15
5. Department introduced student-faculty research and it made significant impact among the students.
6. More than 60% of the students are looking for higher studies and between 20-30 % are looking for jobs.
7. Students are interested for higher studies in analytics related subjects
8. More than 80% of the students are looking for industry visits from the departments as extra-curricular activities.
9. The overall experience with the department is 3.71 which is a positive sign for the department.
10. More than 80% of the students are interested to recommend these courses to others.

Head
Department of Statistics
Christ University
Bangalore - 560 029

Department of Statistics Feedback Survey

This survey is being conducted by the Department of Statistics to review and revise the current curriculum and teaching methods. Please answer all the questions honestly, to the best of your knowledge.We appreciate your cooperation.

* Required

1. **Gender**

   Mark only one oval.

   - ◯ Male
   - ◯ Female
   - ◯ Other: _____

2. **Class** *

   Mark only one oval.

   - ◯ 2 CMS
   - ◯ 2 EMS
   - ◯ 4 CMS
   - ◯ 4 EMS
   - ◯ 6 CMS
   - ◯ 6 EMS

3. **Which is your subject of priority for having chosen this course?** *

   Check all that apply.

   - ☐ Computer Science
   - ☐ Economics
   - ☐ Mathematics
   - ☐ Statistics

4. **Have you studied statistics in your school/PUC?** *

   Mark only one oval.

   - ◯ Yes
   - ◯ No

5. **Rank the present statistics curriculum.** *
Mark only one oval.

	1	2	3	4	5	
Very poor	◯	◯	◯	◯	◯	Excellent

6. **Rank the present teaching methods adopted by the faculty members of the Statistics department.** *
Mark only one oval.

	1	2	3	4	5	
Very poor	◯	◯	◯	◯	◯	Excellent

7. **Rank the present methods adopted for conducting CIAs adopted by the faculty members of the Statistics department.** *
Mark only one oval.

	1	2	3	4	5	
Very poor	◯	◯	◯	◯	◯	Excellent

8. **Rank your level of satisfaction with the library resources related to statistics.** *
Mark only one oval.

	1	2	3	4	5	
Very dissatisfied	◯	◯	◯	◯	◯	Very satisfied

9. **Rank the level of effort you put into the subject.** *
Mark only one oval.

	1	2	3	4	5	
Very low	◯	◯	◯	◯	◯	Very high

10. **Rank your level of satisfaction with the support given for research activities from the department.** *
Mark only one oval.

	1	2	3	4	5	
Very dissatisfied	◯	◯	◯	◯	◯	Very satisfied

11. **Rank your level of satisfaction with the career guidance provided by the department.** *
Mark only one oval.

	1	2	3	4	5	
Very dissatisfied	◯	◯	◯	◯	◯	Very satisfied

12. **What are your plans after UG?** *
Mark only one oval.

- ◯ Higher studies
- ◯ Work
- ◯ Not decided

13. **If higher studies, which subject do you want to specialize in?** *
Check all that apply.

- ☐ Computer Science
- ☐ Data Analytics
- ☐ Economics
- ☐ Mathematics
- ☐ Statistics
- ☐ Other: _____

14. **Would you like to have skill enhancement courses on advanced statistical data analysis techniques?** *
Mark only one oval.

- ◯ Yes
- ◯ No

15. **Among the following options, select the extra-curricular activities that you would like to have** *
Check all that apply.

- ☐ Student seminars
- ☐ Guest lectures
- ☐ Industrial visits
- ☐ Workshops
- ☐ Other: _____

16. **Is student feedback mandatory in improving the curriculum?** *
Mark only one oval.

- ◯ Yes
- ◯ No

17. **Rank your overall experience with the department of Statistics.** *

Mark only one oval.

	1	2	3	4	5	
Very poor						Excellent

18. **Would you recommend this course to others?** *

Mark only one oval.

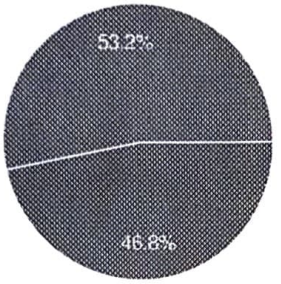
- Yes
- No
- Maybe

Powered by
Google Forms

79 responses

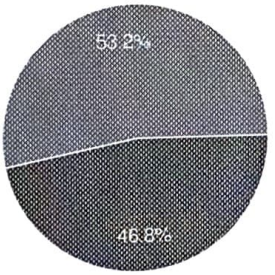
Summary

Gender



Male	37	46.8%
Female	42	53.2%
Other	0	0%

Class



2 CMS	0	0%
2 EMS	0	0%
4 CMS	0	0%
4 EMS	0	0%
6 CMS	37	46.8%
6 EMS	42	53.2%

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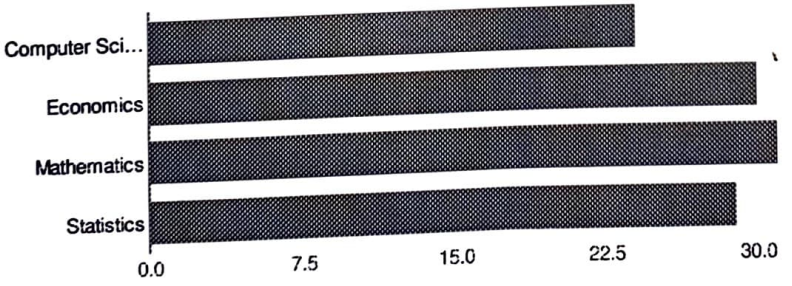

Computer Science	24	30.4%
Economics	30	38%
Mathematics	31	39.2%
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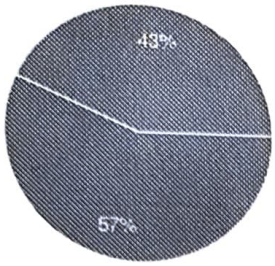
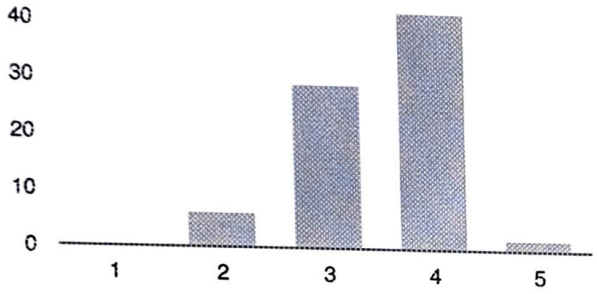
Have you studied statistics in your school/PUC?



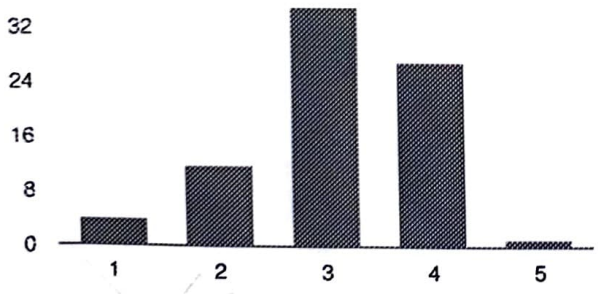
Yes	**45**	57%
No	**34**	43%

Rank the present statistics curriculum.



Very poor: 1	**0**	0%
2	**6**	7.6%
3	**29**	36.7%
4	**42**	53.2%
Excellent: 5	**2**	2.5%

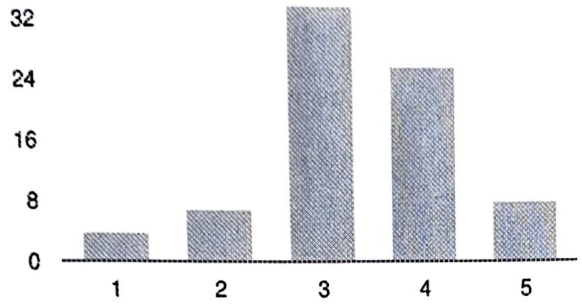
Rank the present teaching methods adopted by the faculty members of the Statistics department.



Very poor: 1	**4**	5.1%

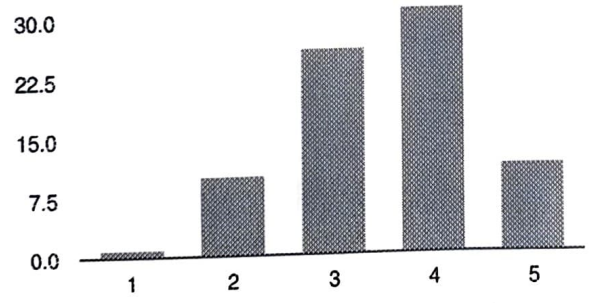
2	**12**	15.2%
3	**35**	44.3%
4	**27**	34.2%
Excellent: 5	**1**	1.3%

Rank the present methods adopted for conducting CIAs adopted by the faculty members of the Statistics department.



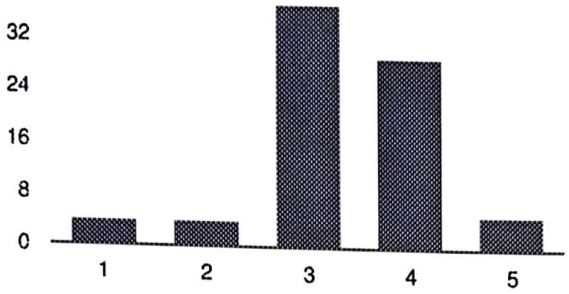
Very poor: 1	**4**	5.1%
2	**7**	8.9%
3	**34**	43%
4	**26**	32.9%
Excellent: 5	**8**	10.1%

Rank your level of satisfaction with the library resources related to statistics.



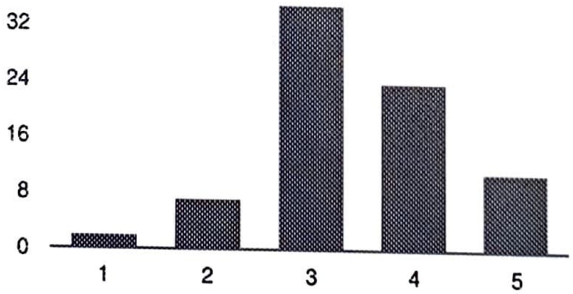
Very dissatisfied: 1	**1**	1.3%
2	**10**	12.7%
3	**26**	32.9%
4	**31**	39.2%
Very satisfied: 5	**11**	13.9%

Rank the level of effort you put into the subject.



Very low:	1	**4**	5.1%
	2	**4**	5.1%
	3	**37**	46.8%
	4	**29**	36.7%
Very high:	5	**5**	6.3%

Rank your level of satisfaction with the support given for research activities from the department.

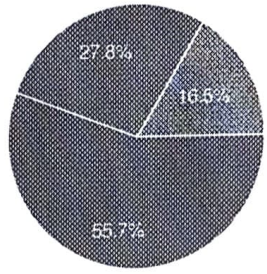


Very dissatisfied:	1	**2**	2.5%
	2	**7**	8.9%
	3	**35**	44.3%
	4	**24**	30.4%
Very satisfied:	5	**11**	13.9%

Rank your level of satisfaction with the career guidance provided by the department.

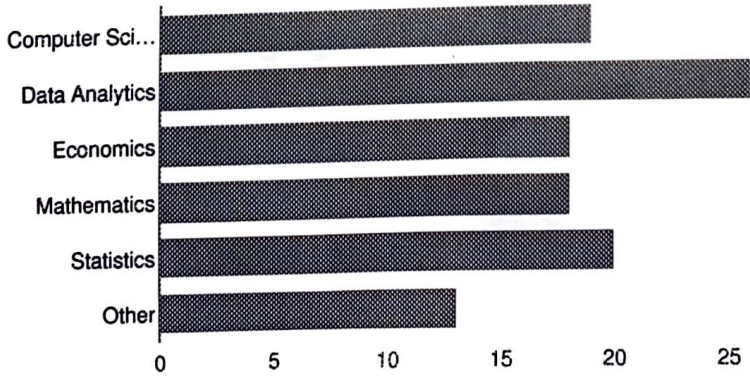
Very dissatisfied:	1	**5**	6.3%
	2	**8**	10.1%
	3	**19**	24.1%
	4	**30**	38%
Very satisfied:	5	**17**	21.5%

What are your plans after UG?



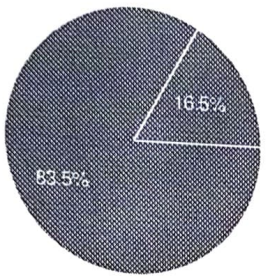
Higher studies	**44**	55.7%
Work	**22**	27.8%
Not decided	**13**	16.5%

If higher studies, which subject do you want to specialize in?



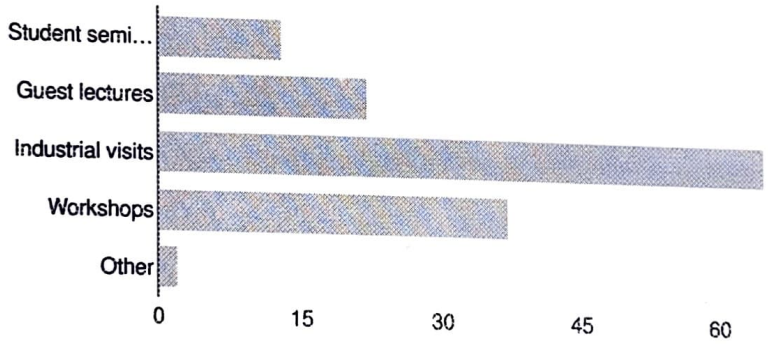
Computer Science	**19**	24.1%
Data Analytics	**27**	34.2%
Economics	**18**	22.8%
Mathematics	**18**	22.8%
Statistics	**20**	25.3%
Other	**13**	16.5%

Would you like to have skill enhancement courses on advanced statistical data analysis techniques?



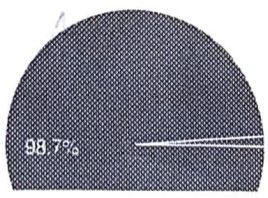
Yes	**66**	83.5%
No	**13**	16.5%

Among the following options, select the extra-curricular activities that you would like to have



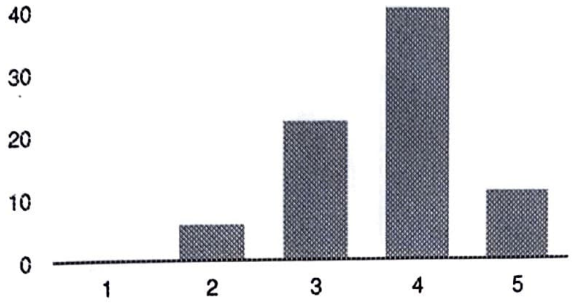
Student seminars	**13**	16.5%
Guest lectures	**22**	27.8%
Industrial visits	**65**	82.3%
Workshops	**37**	46.8%
Other	**2**	2.5%

Is student feedback mandatory in improving the curriculum?



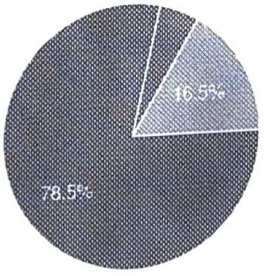
Yes	**78**	98.7%
No	**1**	1.3%

Rank your overall experience with the department of Statistics.



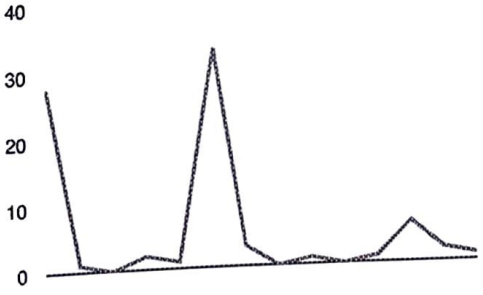
Very poor:	1	**0**	0%
	2	**6**	7.6%
	3	**22**	27.8%
	4	**40**	50.6%
Excellent:	5	**11**	13.9%

Would you recommend this course to others?



Yes	**62**	78.5%
No	**4**	5.1%
Maybe	**13**	16.5%

Number of daily responses



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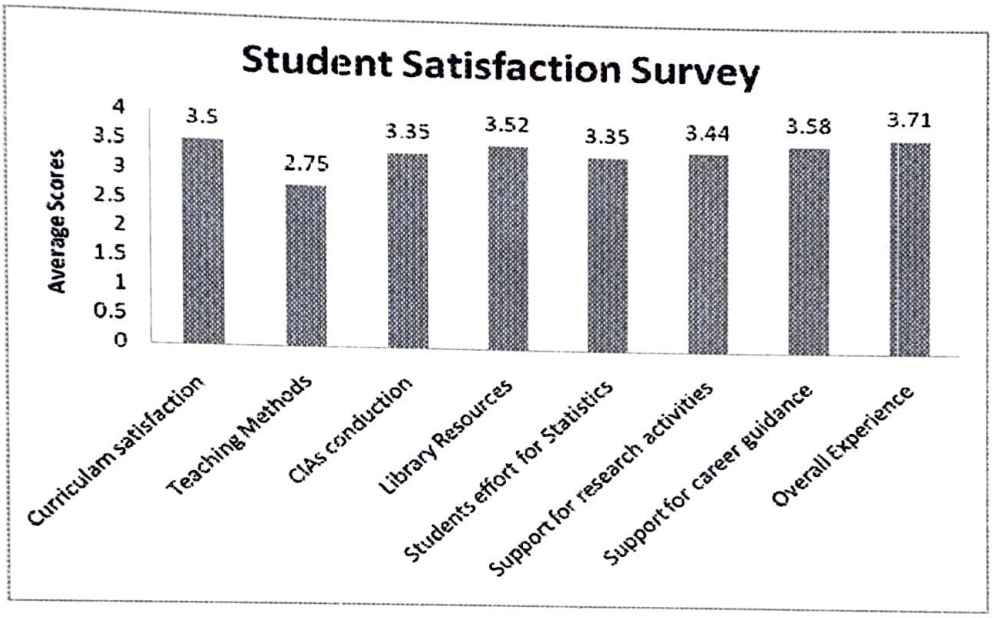

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1. **Gender**

   Mark only one oval.

   - ◯ Male
   - ◯ Female
   - ◯ Other: _____

2. **Class** *

   Mark only one oval.

   - ◯ 2 CMS
   - ◯ 2 EMS
   - ◯ 4 CMS
   - ◯ 4 EMS
   - ◯ 6 CMS
   - ◯ 6 EMS

3. **Which is your subject of priority for having chosen this course?** *

   Check all that apply.

   - ☐ Computer Science
   - ☐ Economics
   - ☐ Mathematics
   - ☐ Statistics

4. **Have you studied statistics in your school/PUC?** *

   Mark only one oval.

   - ◯ Yes
   - ◯ No

5. **Rank the present statistics curriculum.** *
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	1	2	3	4	5	
Very poor	◯	◯	◯	◯	◯	Excellent

6. **Rank the present teaching methods adopted by the faculty members of the Statistics department.** *
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Very dissatisfied	◯	◯	◯	◯	◯	Very satisfied

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13. **If higher studies, which subject do you want to specialize in?** *
Check all that apply.

- ☐ Computer Science
- ☐ Data Analytics
- ☐ Economics
- ☐ Mathematics
- ☐ Statistics
- ☐ Other: _____

14. **Would you like to have skill enhancement courses on advanced statistical data analysis techniques?** *
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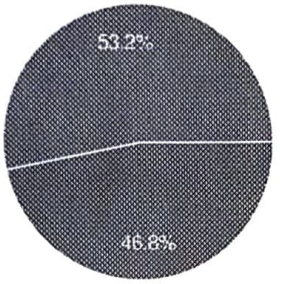

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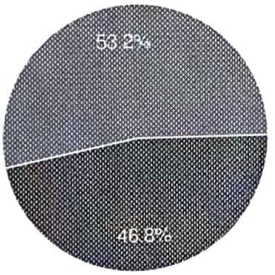
Class



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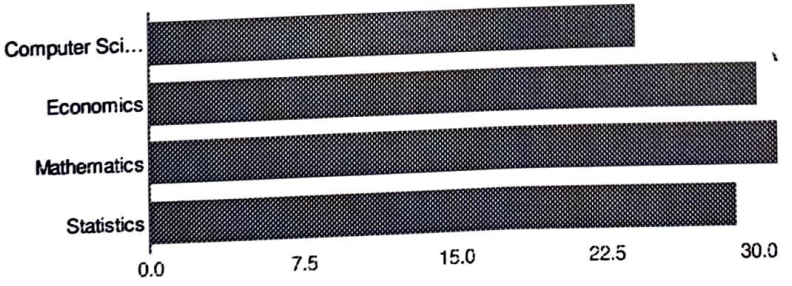

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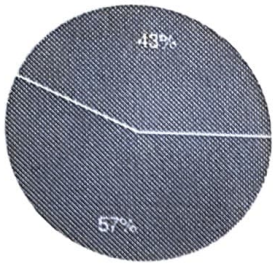

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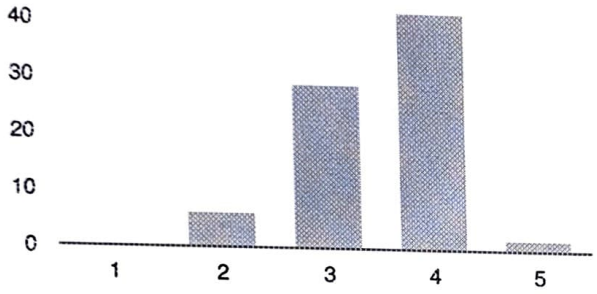

Very poor: 1	**0**	0%
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Excellent: 5	**2**	2.5%

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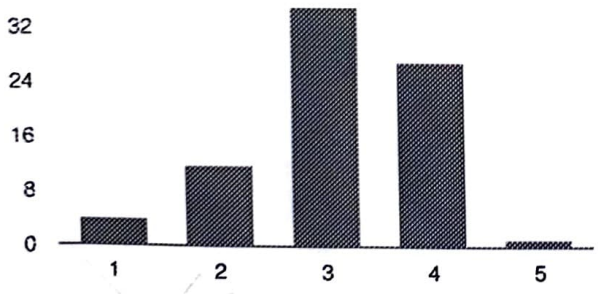
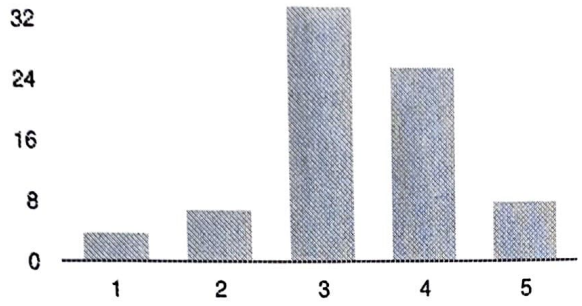


Very poor: 1	**4**	5.1%

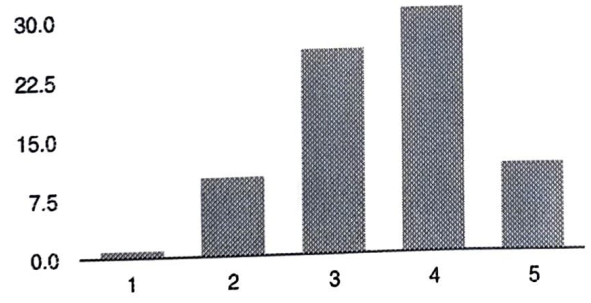
2	**12**	15.2%
3	**35**	44.3%
4	**27**	34.2%
Excellent: 5	**1**	1.3%

Rank the present methods adopted for conducting CIAs adopted by the faculty members of the Statistics department.



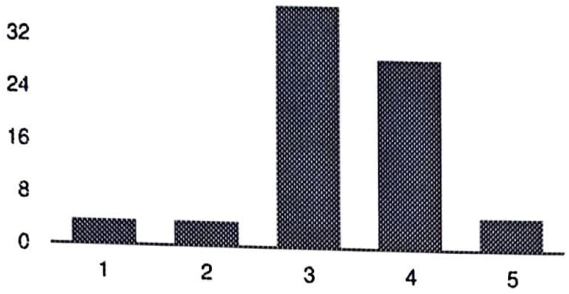
Very poor: 1	**4**	5.1%
2	**7**	8.9%
3	**34**	43%
4	**26**	32.9%
Excellent: 5	**8**	10.1%

Rank your level of satisfaction with the library resources related to statistics.



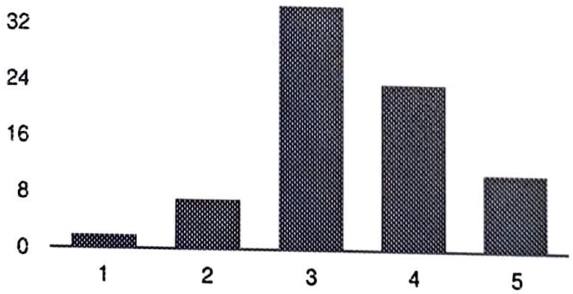
Very dissatisfied: 1	**1**	1.3%
2	**10**	12.7%
3	**26**	32.9%
4	**31**	39.2%
Very satisfied: 5	**11**	13.9%

Rank the level of effort you put into the subject.



Very low:	1	**4**	5.1%
	2	**4**	5.1%
	3	**37**	46.8%
	4	**29**	36.7%
Very high:	5	**5**	6.3%

Rank your level of satisfaction with the support given for research activities from the department.

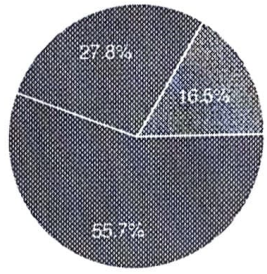


Very dissatisfied:	1	**2**	2.5%
	2	**7**	8.9%
	3	**35**	44.3%
	4	**24**	30.4%
Very satisfied:	5	**11**	13.9%

Rank your level of satisfaction with the career guidance provided by the department.

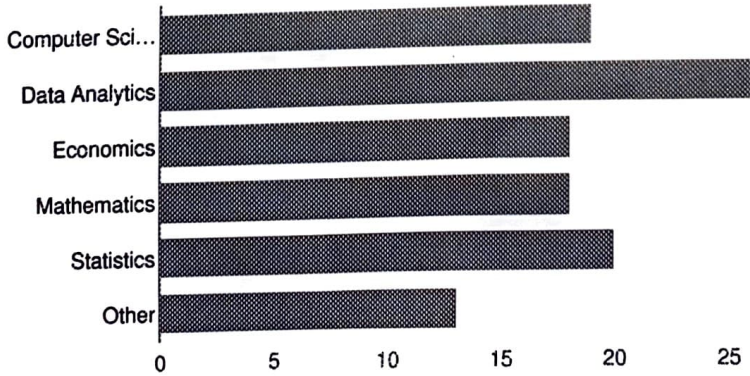
Very dissatisfied:	1	**5**	6.3%
	2	**8**	10.1%
	3	**19**	24.1%
	4	**30**	38%
Very satisfied:	5	**17**	21.5%

What are your plans after UG?



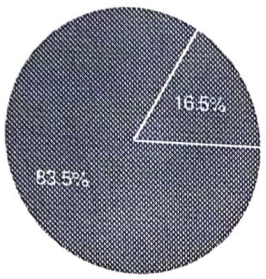
Higher studies	**44**	55.7%
Work	**22**	27.8%
Not decided	**13**	16.5%

If higher studies, which subject do you want to specialize in?



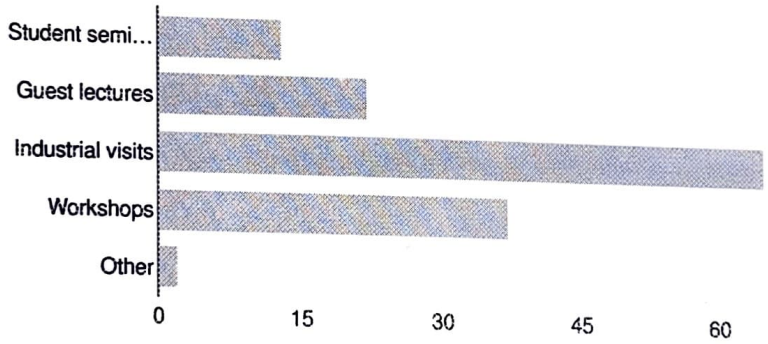
Computer Science	**19**	24.1%
Data Analytics	**27**	34.2%
Economics	**18**	22.8%
Mathematics	**18**	22.8%
Statistics	**20**	25.3%
Other	**13**	16.5%

Would you like to have skill enhancement courses on advanced statistical data analysis techniques?



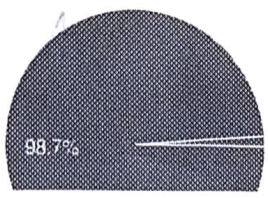
Yes	**66**	83.5%
No	**13**	16.5%

Among the following options, select the extra-curricular activities that you would like to have



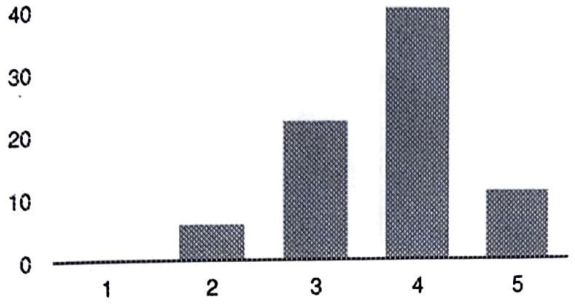
Student seminars	**13**	16.5%
Guest lectures	**22**	27.8%
Industrial visits	**65**	82.3%
Workshops	**37**	46.8%
Other	**2**	2.5%

Is student feedback mandatory in improving the curriculum?



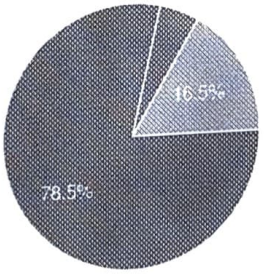
Yes	**78**	98.7%
No	**1**	1.3%

Rank your overall experience with the department of Statistics.



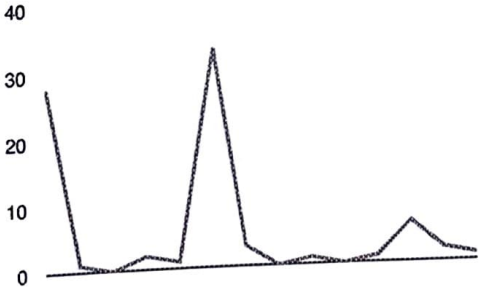
Very poor:	1	**0**	0%
	2	**6**	7.6%
	3	**22**	27.8%
	4	**40**	50.6%
Excellent:	5	**11**	13.9%

Would you recommend this course to others?



Yes	**62**	78.5%
No	**4**	5.1%
Maybe	**13**	16.5%

Number of daily responses



Department of Statistics,

Christ University, Bangalore.

A Report on syllabus feedback from students

Reasonable sample size was taken from final year students. Sixty percent of students having good opinion on syllabus whereas 40 percent of students have satisfactory opinion. Even all students were satisfied with current syllabus; some students are expecting software based problems and 60 percent students were suggested that theory should teach before starting practical. 20 percent students are suggesting that more practical orientation required than theory, so that they can understand the usage of statistical techniques in applied areas.

Department of Statistics,

Christ University, Bangalore.

Student Evaluation Questionnaire.

1) **What is your opinion on statistics syllabus?**

Excellent	Good	Satisfactory ✓	Needs to be improved

2) **Are satisfied with current syllabus?**

YES ✓	NO

3) **Do you think that any extra topics are to be required to include in syllabus? If yes specify.**

No.

4) **Do you feel any topics contain learning objectives which are not relevant to the course? Please specify, providing a rationale.**

NO.

5) **Do you feel that there is a proper balance between theory and practicals within the course? Please explain.**

No. Practicals are held before theory session. Makes it difficult to understand sums if theory hasn't been taught.

6) **Any suggestions regarding syllabus.**

NO.

Department of Statistics,

Christ University, Bangalore.

Student Evaluation Questionnaire.

1) **What is your opinion on statistics syllabus?**

Excellent	Good ✓	Satisfactory	Needs to be improved

2) **Are satisfied with current syllabus?**

YES ✓	NO

3) **Do you think that any extra topics are to be required to include in syllabus? If yes specify.**

Yes, I think that some extra topics are required.
-> Usage of statistics software.

4) **Do you feel any topics contain learning objectives which are not relevant to the course? Please specify, providing a rationale.**

No.

5) **Do you feel that there is a proper balance between theory and practicals within the course? Please explain.**

Yes, There is.

6) **Any suggestions regarding syllabus.**

-> we the syllabus should be more application wise

Department of Statistics,

Christ University, Bangalore.

Student Evaluation Questionnaire.

1) **What is your opinion on statistics syllabus?**

Excellen	Good	✓ Satisfactory	Needs to be improved

2) **Are satisfied with current syllabus?**

YES	NO ✓

3) **Do you think that any extra topics are to be required to include in syllabus? If yes specify.**

The syllabus is too theoritical, and doesn't help the students to learn the trade.

4) **Do you feel any topics contain learning objectives which are not relevant to the course? Please specify, providing a rationale.**

No.

5) **Do you feel that there is a proper balance between theory and practicals within the course? Please explain.**

Not, at all. Theory is given more importance (The Marks distribution between Theory and Practical papers makes it obvious).

6) **Any suggestions regarding syllabus.**

I believe the course doesn't prepare the students for the industry. More importance is given to theory, than rather learning what the tools of statistics do. I believe, a more application oriented syllabus would be more beneficial to the students.

Department of Statistics,

Christ University, Bangalore.

Student Evaluation Questionnaire.

1) **What is your opinion on statistics syllabus?**

Excellen	Good ✓	Satisfactory	Needs to be improved

2) **Are satisfied with current syllabus?**

YES	NO ✓

3) **Do you think that any extra topics are to be required to include in syllabus? If yes specify.**

Yes. Application of the subject. Component for competitive exam preparation (e.g Actuaries).

4) **Do you feel any topics contain learning objectives which are not relevant to the course? Please specify, providing a rationale.**

No

5) **Do you feel that there is a proper balance between theory and practicals within the course? Please explain.**

No → Practicals ~~are~~ should ~~would~~ be ~~more help~~ be done after teaching ~~learning~~ its theory part. ~~to~~.
→ would be better if it goes to application level.

6) **Any suggestions regarding syllabus.**

→ Include applications ~~from topics~~ also.

CHRIST UNIVERSITY

SMITHA JOSEPH STATISTICS <smitha.joseph@christuniversity.in>

Talk by alumni

Sahana. Prasad <sahana.prasad@christuniversity.in> Wed, Jun 11, 2014 at 2:17 PM
To: rsmurarka@gmail.com
Bcc: smitha.joseph@christuniversity.in

Dear Ravi
I thank you for addressing our students on 09.06.2014 on your experiences with the Department of Statistics and sharing your knowledge after completing masters in London School of Economics.
Warm Regards
Sahana Prasad
Associate Professor
Department of Statistics
Christ University
Bangalore

Dr. Radaiah K
Lead Analyst, Quotient Solution, Bangalore.
E-mail: radhaiah.k@gmail.com
Contact No: 09601264459

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FEEDBACK ON CURRICULUM

S.No	Course Code	Title	Suggestions
1	STA131	Descriptive Statistics and Probability Theory	• Unit I name can be changed from Basic Concepts to Introduction to Statistics
2	STA331	Statistical Inference	• Are we covering all the large sample tests here, like test for single mean, test for difference of means, etc., • May be we need to introduce one tail and two tail tests
3	STA431	Sample Surveys and Design of Experiments	• Before introducing ANOVA we need to introduce Exact sampling distributions like T,F and Chi-Square and their approximation to Normal distribution • We also need to introduce small sample tests like test for single mean, test for variance etc., as these widely used real time • M.N. Das & N.C. Giri, (1979), Design and analysis of experiments, Wiley Eastern, is a good book to refer.
	STA532	Linear Regression Models	• Advanced Data Analysis from an Elementary Point of View Cosma RohillaShalizi - This book has regression with R coding • Johnston, J. (1988), "Econometric Methods" – Third edition, Mc Graw hill.
	STA632	Applied Statistics	• Unit-II: Demographic Methods can be named as Vital Statistics • S.C. Gupta and V.K. Kapoor, Fundamentals of Applied Statistics, 4th Ed., Sultan Chand and Sons, 2008 - Is a good book to refer for SQC and DE

Note: The theory of attributes is one thing which is missing in the syllabus, we can add this as most of the real time problems deals with character or attribute data.

Dr. Radaiah K
19.11.16