

**EVALUATION OF  
THE DEGREE PROGRAM AND THE  
UNIVERSITY EXPERIENCE**

**MASTER OF SCIENCE IN  
DATA SCIENCE AND BUSINESS  
ANALYTICS**

**a.y. 2020-2021**

**SURVEY PERIOD: JULY 2021 - JULY 2022**

**N° QUESTIONNAIRES PROCESSED: 56**

**N° OF GRADUATE STUDENTS: 59**

**RESPONSE RATE: 94,9%**



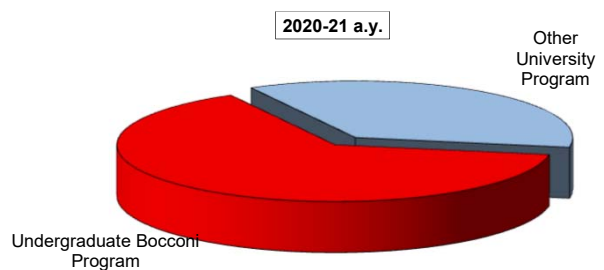
## EVALUATION OF UNIVERSITY EXPERIENCE

### Data Science and Business Analytics

#### General information

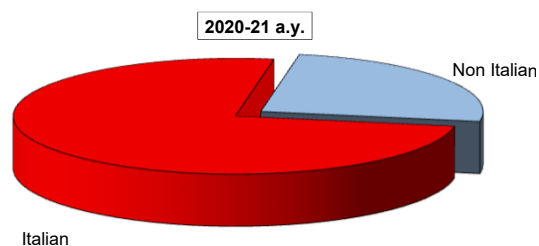
##### Undergraduate Career

Answers	a.v.	% 2020-21	% 2019-20
Undergraduate Bocconi Program	36	64,3	64,3
Other University Program	20	35,7	35,7
<b>Total</b>	<b>56</b>	<b>100,0</b>	<b>100,0</b>
NA	0		



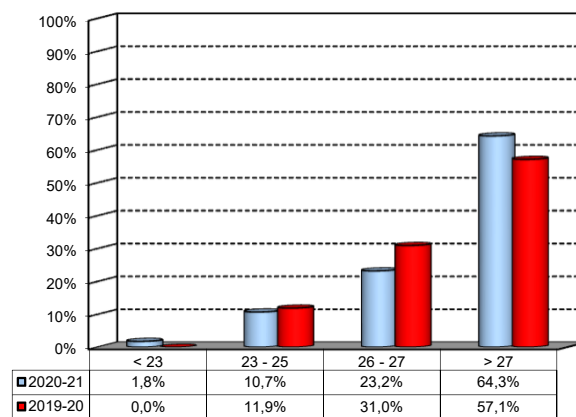
##### Nationality

Answers	a.v.	% 2020-21	% 2019-20
Italian	42	75,0%	71,4%
Non Italian	14	25,0%	28,6%
<b>Total</b>	<b>56</b>	<b>100%</b>	<b>100%</b>
NA	0		



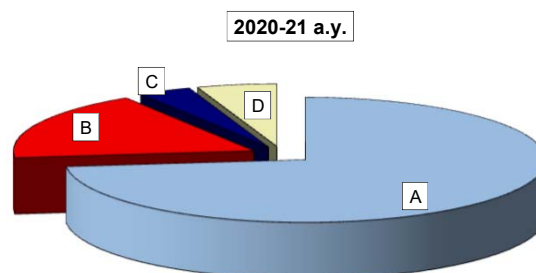
**Average mark of the exams passed:**  
(approximate average expressed in 30/30)

Answers	a.v.	%
18	0	0,0%
19	0	0,0%
20	0	0,0%
21	0	0,0%
22	1	1,8%
23	0	0,0%
24	4	7,1%
25	2	3,6%
26	3	5,4%
27	10	17,9%
28	14	25,0%
29	17	30,4%
30	5	8,9%
<b>Total</b>	<b>56</b>	<b>100%</b>
NA	0	



**How many of the courses included in your curriculum did you attend regularly?**

Answers	a.v.	% 2020-21	% 2019-20
A - More than 75%	41	73,2	73,8
B - Between 50 and 75%	10	17,9	16,7
C - Between 25 and 50%	2	3,6	0,0
D - Less than 25%	3	5,4	9,5
<b>Total</b>	<b>56</b>	<b>100,0</b>	<b>100,0</b>
NA	0		

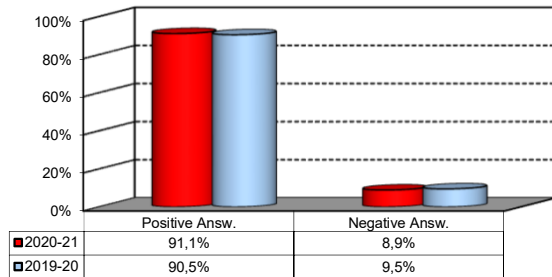


## Study Experience

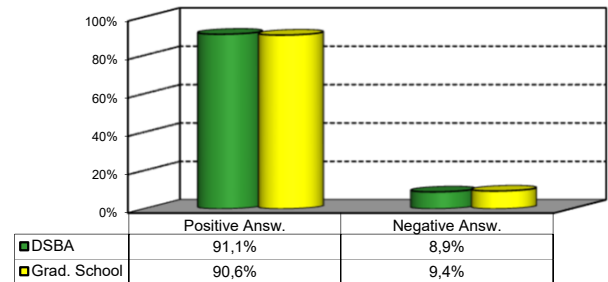
1) On the whole, do you think that the MSc program you attended at Bocconi enabled in-depth study of topics in both a theoretical and a practical sense?

Answers	Italian		Non Italian		Total	
	a.v.	%	a.v.	%	a.v.	%
A - Definitely YES	15	35,7%	5	35,7%	20	35,7%
B - More YES than NO	22	52,4%	9	64,3%	31	55,4%
C - More NO than YES	4	9,5%	0	0,0%	4	7,1%
D - Definitely NO	1	2,4%	0	0,0%	1	1,8%
<b>Total</b>	<b>42</b>	<b>100%</b>	<b>14</b>	<b>100%</b>	<b>56</b>	<b>100%</b>
NA	0		0			

Over time comparison



Comparison with the overall School data

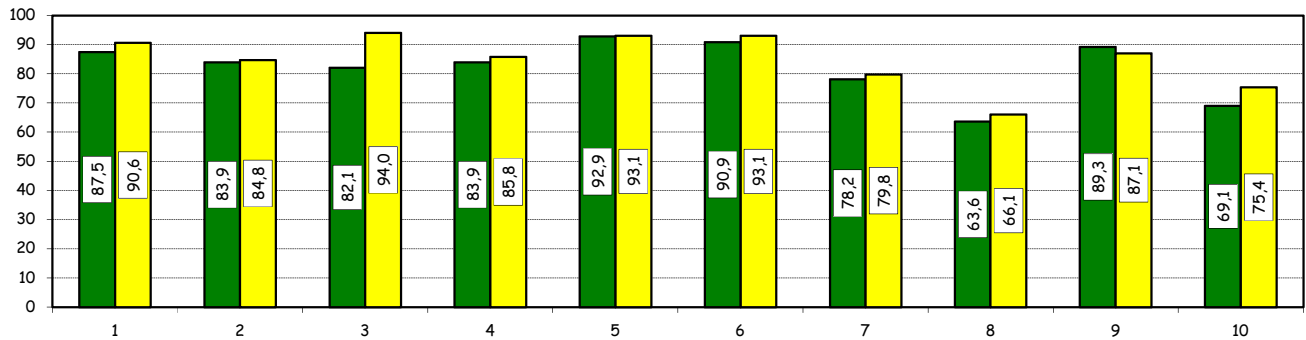


## Study Experience

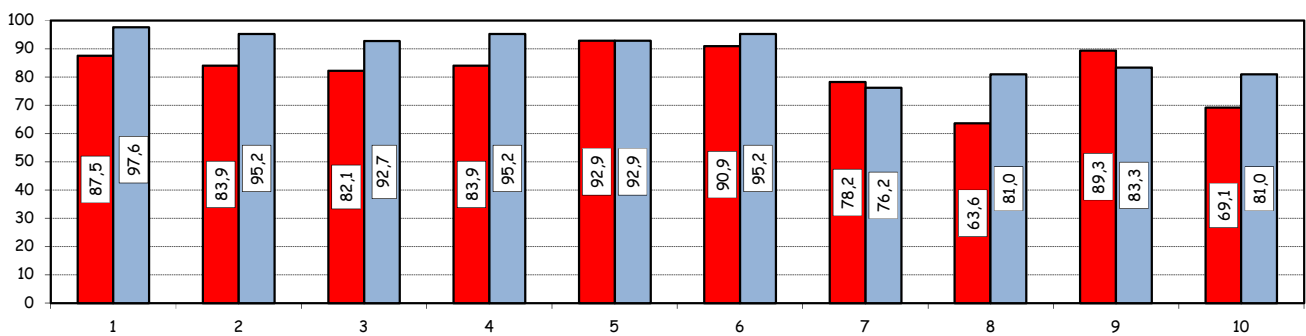
2) Do you think that your course of study at Bocconi has contributed to the development of the following skills?

Soft Skill \ Item	Definitely YES		More YES than NO		More NO than YES		Definitely NO		Total		n.a.
	a.v.	%	a.v.	%	a.v.	%	a.v.	%	a.v.	%	
1 Ability to work in team	25	44,6	24	42,9	4	7,1	3	5,4	56	100,0	0
2 Interpersonal skills	18	32,1	29	51,8	6	10,7	3	5,4	56	100,0	0
3 Organizational skills	18	32,1	28	50,0	8	14,3	2	3,6	56	100,0	0
4 Critical thinking skills	24	42,9	23	41,1	7	12,5	2	3,6	56	100,0	0
5 Ability to analyze and select information	26	46,4	26	46,4	3	5,4	1	1,8	56	100,0	0
6 Problem-solving ability	28	50,9	22	40,0	4	7,3	1	1,8	55	100,0	1
7 Written communication skills	18	32,7	25	45,5	8	14,5	4	7,3	55	100,0	1
8 Verbal communication skills	12	21,8	23	41,8	15	27,3	5	9,1	55	100,0	1
9 Ability to cope with stress	21	37,5	29	51,8	4	7,1	2	3,6	56	100,0	0
10 Entrepreneurial spirit	15	27,3	23	41,8	12	21,8	5	9,1	55	100,0	1

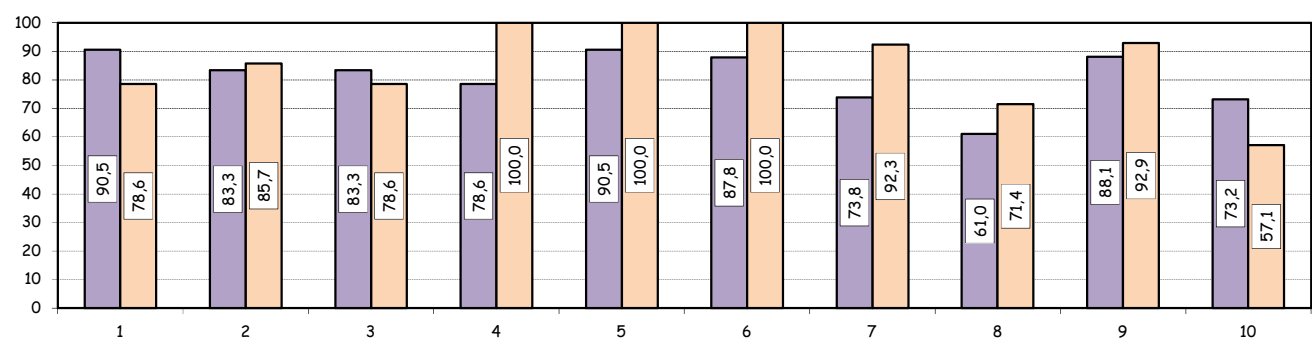
Positive answers (%):  
comparison with the overall School data



Positive answers (%):  
Over time comparison



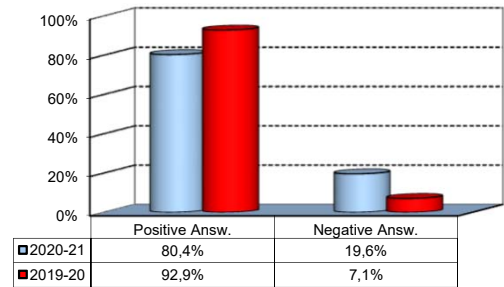
Positive answers (%):  
comparison based on nationality of student



## Study Experience

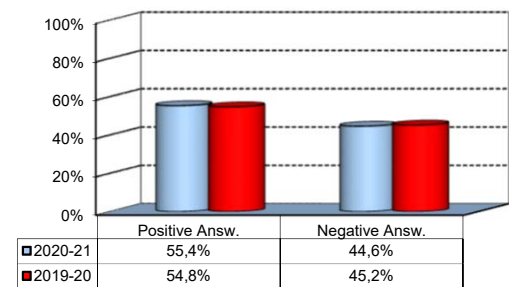
3) Do you think that teaching activities in the MSc program were structured in an active manner (frequent use of teamwork, case studies, assignments, etc.)?

Answers	a.v.	%
A - Definitely YES	20	35,7%
B - More YES than NO	25	44,6%
C - More NO than YES	10	17,9%
D - Definitely NO	1	1,8%
<b>Total</b>	<b>56</b>	<b>100%</b>
NA	0	



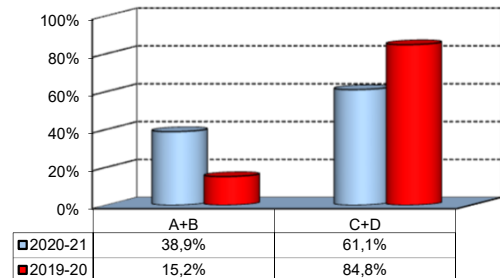
4) Do you think that the courses in your curriculum were adequately coordinated with each other?

Answers	a.v.	%
A - Definitely YES	11	19,6%
B - More YES than NO	20	35,7%
C - More NO than YES	18	32,1%
D - Definitely NO	7	12,5%
<b>Total</b>	<b>56</b>	<b>100%</b>
NA	0	



5) During the MSc program, did you notice any unnecessary overlaps or repetitions of subjects and content with what you studied during your undergraduate program?

Answers	a.v.	%
A-Very often	7	19,4%
B-Often	7	19,4%
C-Hardly ever	12	33,3%
D-Never	10	27,8%
<b>Total</b>	<b>36</b>	<b>100%</b>
NA	20	



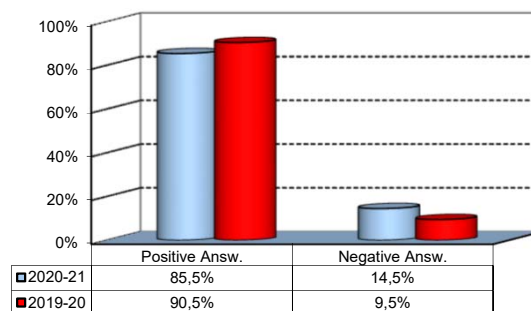
Please select the course or courses in the MSc program in which you encountered overlaps or unnecessary repetitions  
(multiple answers admitted)

Course	a.v.	%
ECONOMETRICS FOR BIG DATA - ECONOMETRICS	6	25,0%
STATISTICS AND PROBABILITY - ADVANCED MATHEMATICS AND STATISTICS - MODULE 2 (ADVANCED STATISTICAL METHODS)	4	16,7%
COMPUTER PROGRAMMING AND DATABASE SYSTEMS - FUNDAMENTALS OF COMPUTER PROGRAMMING	3	12,5%
Other	11	45,8%
<b>TOTAL</b>	<b>24</b>	<b>100,0%</b>

## Study Experience

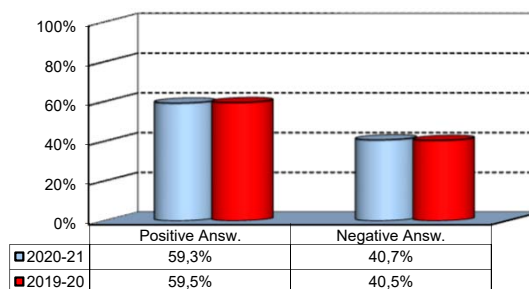
6) Do you think that the overall study load was compatible with the length of the program?

Answers	a.v.	%
A - Definitely YES	13	23,6%
B - More YES than NO	34	61,8%
C - More NO than YES	6	10,9%
D - Definitely NO	2	3,6%
<b>Total</b>	<b>55</b>	<b>100%</b>
NA	1	



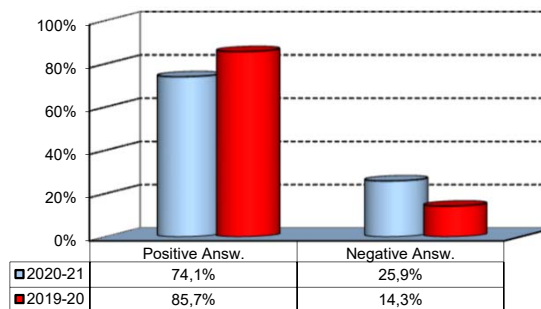
7) Was the coordination of the study program appropriately managed by the Program Director?

Answers	a.v.	%
A - Definitely YES	9	16,7%
B - More YES than NO	23	42,6%
C - More NO than YES	16	29,6%
D - Definitely NO	6	11,1%
<b>Total</b>	<b>54</b>	<b>100%</b>
NA	2	



8) On the whole, were the classroom climate and relationships with your classmates positive and able to enrich your personal experience?

Answers	a.v.	%
A - Definitely YES	20	37,0%
B - More YES than NO	20	37,0%
C - More NO than YES	10	18,5%
D - Definitely NO	4	7,4%
<b>Total</b>	<b>54</b>	<b>100%</b>
NA	2	

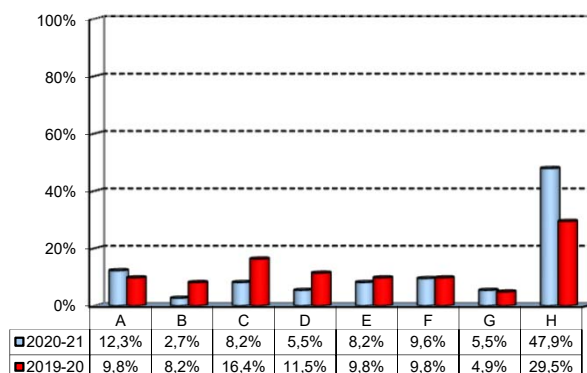


## Extracurricular Activities

1) Which of the following extracurricular activities did you attend during your study program?

(multiple answers admitted)

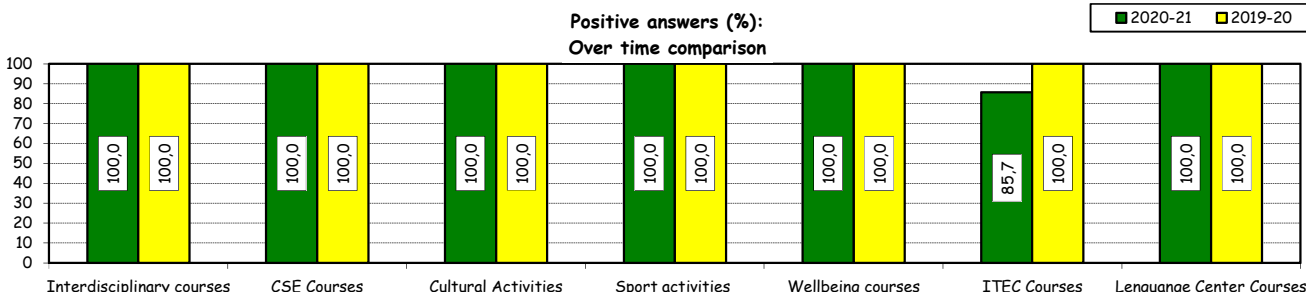
Answers	a.v.	%
A - Interdisciplinary courses ("Sapere a tutto campo")	9	12,3%
B - Counseling and Self-Empowerment courses CSE	2	2,7%
C - Cultural Activities (visit museums, concerts, theatre and cinema, various issues)	6	8,2%
D - Sport activities	4	5,5%
E - Wellbeing courses	6	8,2%
F - Courses offered by ITEC	7	9,6%
G - Courses offered by Language Center	4	5,5%
H - None	35	47,9%
<b>Total</b>	<b>73</b>	<b>100%</b>
NA	0	



2) Do you think that the activities you took part in contributed to your cultural/educational enrichment?

	Definitely YES		More YES than NO		More NO than YES		Definitely NO		Total		NA
	a.v.	%	a.v.	%	a.v.	%	a.v.	%	a.v.	%	a.v.
A - Interdisciplinary courses (Sapere a tutto campo)	4	44,4	5	55,6	0	0,0	0	0,0	9	100,0	0
B - CSE Courses	1	50,0	1	50,0	0	0,0	0	0,0	2	100,0	0
C - Cultural Activities	4	66,7	2	33,3	0	0,0	0	0,0	6	100,0	0
D - Sport activities	0	0,0	3	100,0	0	0,0	0	0,0	3	100,0	1
E - Wellbeing courses	3	50,0	3	50,0	0	0,0	0	0,0	6	100,0	0
F - Courses offered by ITEC	2	28,6	4	57,1	1	14,3	0	0,0	7	100,0	0
G - Courses offered by Language Center	1	25,0	3	75,0	0	0,0	0	0,0	4	100,0	0

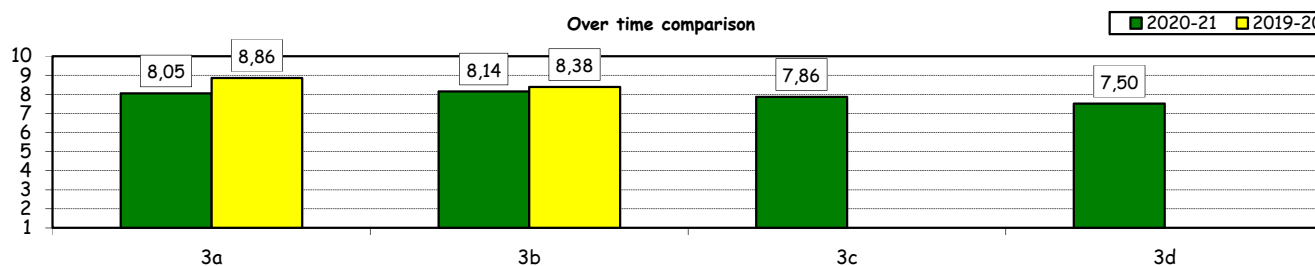
Positive answers (%):  
Over time comparison



How would you evaluate:

Item	Negative		3-4-5		6-7-8		Positive		Total		NA
	1-2						9-10				
	a.v.	%	a.v.	%	a.v.	%	a.v.	%	a.v.	%	
3a) The range and interest of programmes offered	1	4,8	0	0,0	11	52,4	9	42,9	21	100,0	0
3b) The support you received from the Campus Life Office	0	0,0	0	0,0	12	57,1	9	42,9	21	100,0	0
3c) The support you received from ITEC	0	0,0	1	14,3	3	42,9	3	42,9	7	100,0	0
3d) The support you received from Language Center	0	0,0	0	0,0	3	75,0	1	25,0	4	100,0	0

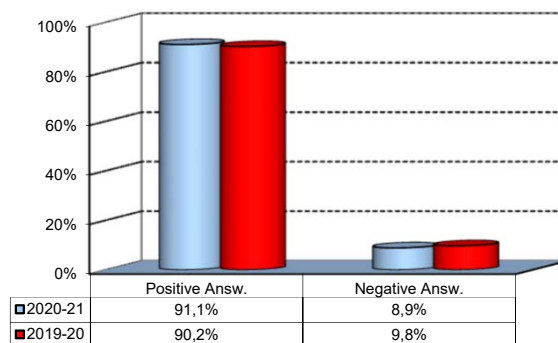
Over time comparison



## Degree Thesis

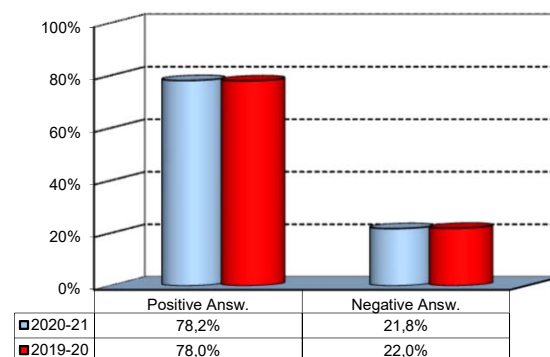
1) Do you think that the supervision and the assistance for preparing for your thesis were appropriate?

Answers	a.v.	%
A - Definitely YES	30	53,6%
B - More YES than NO	21	37,5%
C - More NO than YES	4	7,1%
D - Definitely NO	1	1,8%
<b>Total</b>	<b>56</b>	<b>100%</b>
NA	0	



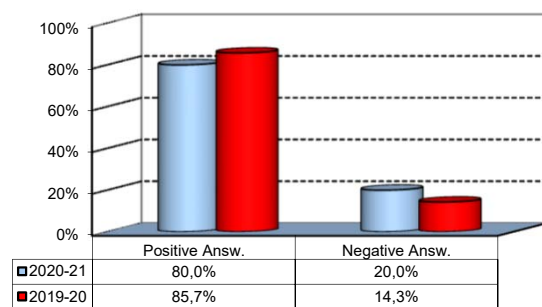
2) Do you think that the facilities provided by the University (library, computer labs) adequately supported preparation for your thesis?

Answers	a.v.	%
A - Definitely YES	19	34,5%
B - More YES than NO	24	43,6%
C - More NO than YES	10	18,2%
D - Definitely NO	2	3,6%
<b>Total</b>	<b>55</b>	<b>100%</b>
NA	1	



3) Do you think that your thesis was a useful experience for completing your education and a way to verify your planning and writing skills?

Answers	a.v.	%
A - Definitely YES	19	34,5%
B - More YES than NO	25	45,5%
C - More NO than YES	8	14,5%
D - Definitely NO	3	5,5%
<b>Total</b>	<b>55</b>	<b>100%</b>
NA	1	

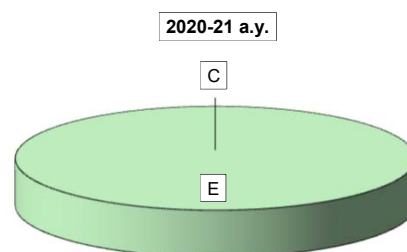




## Experience Of Studying Abroad

1) Please select the program you participated in:

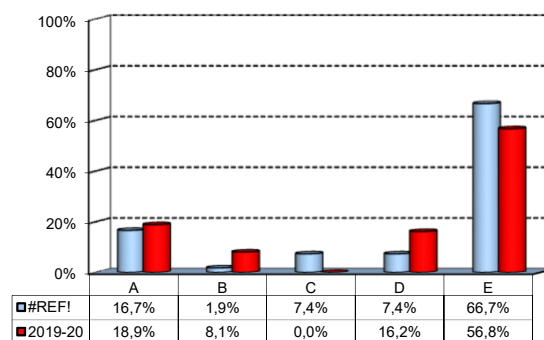
Answers	a.v.	% 2020-21	% 2019-20
A - Exchange	0	0,0	11,9
B - CEMS-MIM	0	0,0	0,0
C- Double Degree	0	0,0	0,0
D - Free-Mover	0	0,0	0,0
E- None	56	100,0	66,7
<b>Total</b>	<b>56</b>	<b>100,0</b>	<b>100,0</b>
NA	0		



(In case of answer "E" to item no.1)

4) Please indicate why you did not attend a period of study abroad (select all relevant reasons):

Answers	a.v.	%
A-Lack of interest in this kind of experience	9	16,7%
B-Absence of the requirements needed for participation in the program selected	1	1,9%
C-Rejection of your application	4	7,4%
D-Lack of time during the period of study	4	7,4%
E-Other (personal, family, organizational reasons, etc.)	36	66,7%
<b>Total</b>	<b>54</b>	<b>100%</b>
NA	2	



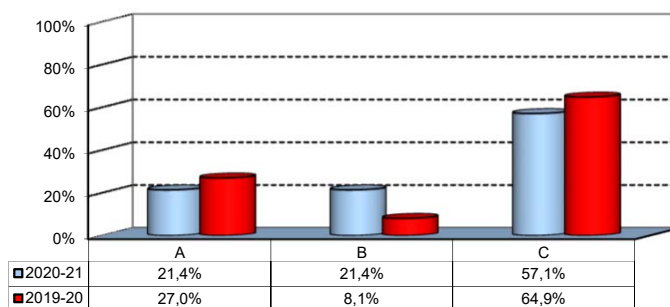
## Internship Activities

1) Which activity recognized in your curriculum did you complete during the MSc program?

Answers	a.v.	%	
		2020-21	2019-20
A - Internship/Other job experience	21	37,5	97,4
B - Field Project	16	28,6	2,6
C - Alternative Activity^	19	33,9	0,0
<b>Total</b>	<b>56</b>	<b>100,0</b>	<b>100,0</b>
NA	0		

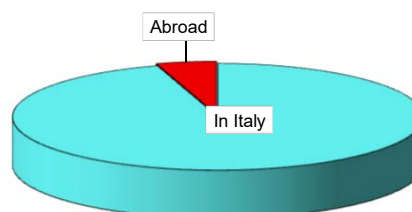
2) How did you find the internship?\*

Answers	a.v.	%
A - Through the University's Placement Services	6	21,4%
B - Through the faculty members of the degree program	6	21,4%
C - Through autonomous way then recognized by the degree program	16	57,1%
<b>Total</b>	<b>28</b>	<b>100,0%</b>
NA	28	



3) Where did you complete the internship recognized by the Bachelor program?

Answers	a.v.	%	
		2020-21	2019-20
In Italy	20	95,2%	70,3%
Abroad	1	4,8%	29,7%
<b>Total</b>	<b>21</b>	<b>100%</b>	<b>100%</b>
NA	0		



\*:Item not submitted to students starting from the graduation sessions of April 2022

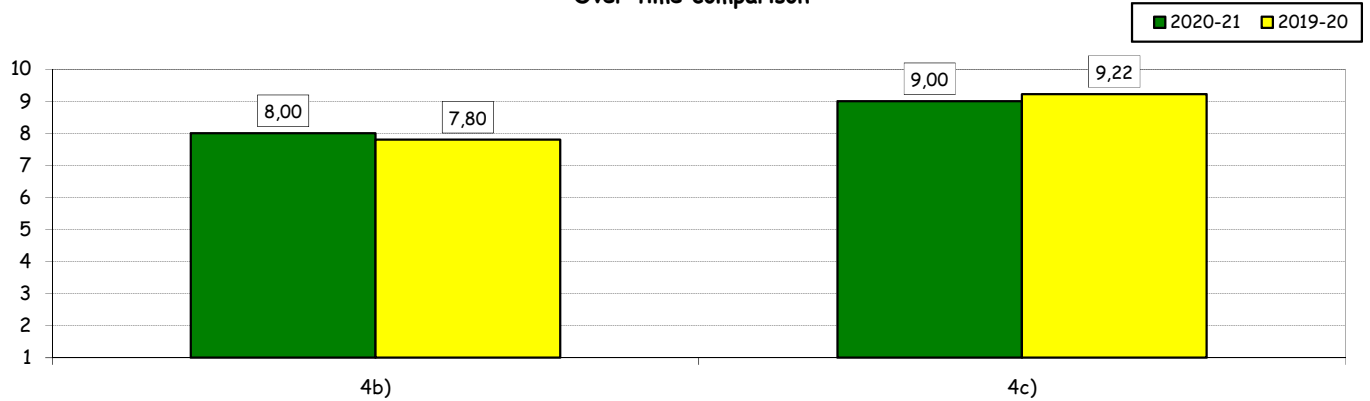
^:During the pandemic, students were given the opportunity to replace the mandatory internship with an alternative activity called Career Start Pack. It consists in an elective exam integrated with mandatory participation in the virtual career orientation path

## Internship Activities

How would you evaluate:

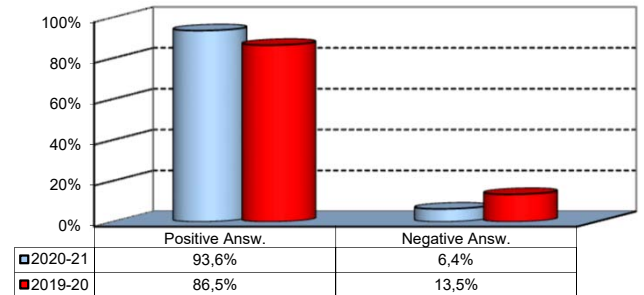
Item	Answers	Negative				Positive				Total		N.A.
		1-2		3-4-5		6-7-8		9-10		a.v.	%	a.v.
		a.v.	%	a.v.	%	a.v.	%	a.v.	%			
4a) The number and variety of opportunities offered.		1	7,1	1	7,1	3	21,4	9	64,3	14	100,0	14
4b) The support you received from the Internship Office.		0	0,0	0	0,0	4	28,6	10	71,4	14	100,0	14

Over time comparison



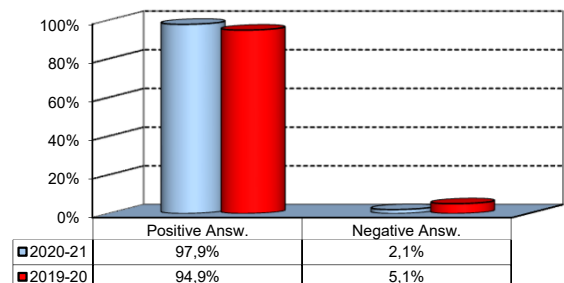
5) Would you positively evaluate this experience?

Answers	a.v.	%
A - Definitely YES	21	44,7%
B - More YES than NO	23	48,9%
C - More NO than YES	2	4,3%
D - Definitely NO	1	2,1%
<b>Total</b>	<b>47</b>	<b>100%</b>
NA	9	



6) Do you think that the qualifications you acquired while attending the MSc program were appropriate to perform this activity?

Answers	a.v.	%
A - Definitely YES	19	40,4%
B - More YES than NO	27	57,4%
C - More NO than YES	1	2,1%
D - Definitely NO	0	0,0%
<b>Total</b>	<b>47</b>	<b>100%</b>
NA	9	

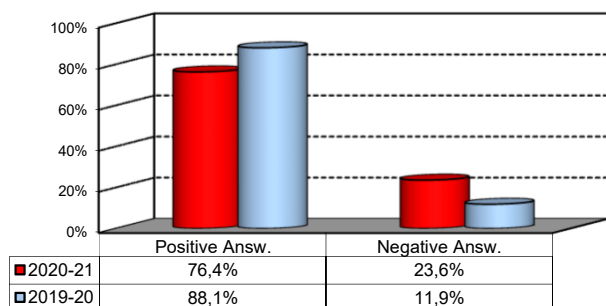


## General satisfaction and short-term plans

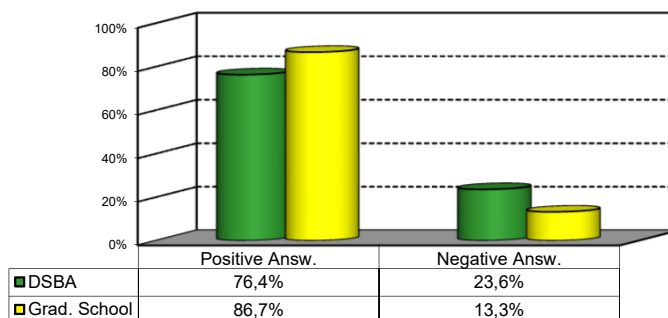
1) Are you satisfied overall with the study program you attended?

Answers	Italian		Non Italian		Total	
	a.v.	%	a.v.	%	a.v.	%
A - Definitely YES	10	24,4%	5	35,7%	15	27,3%
B - More YES than NO	21	51,2%	6	42,9%	27	49,1%
C - More NO than YES	9	22,0%	3	21,4%	12	21,8%
D - Definitely NO	1	2,4%	0	0,0%	1	1,8%
<b>Total</b>	<b>41</b>	<b>100%</b>	<b>14</b>	<b>100%</b>	<b>55</b>	<b>100%</b>
NA	1		0		1	

Over time comparison



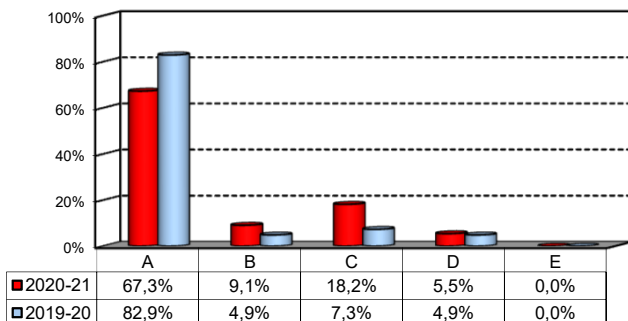
Comparison with the overall School data



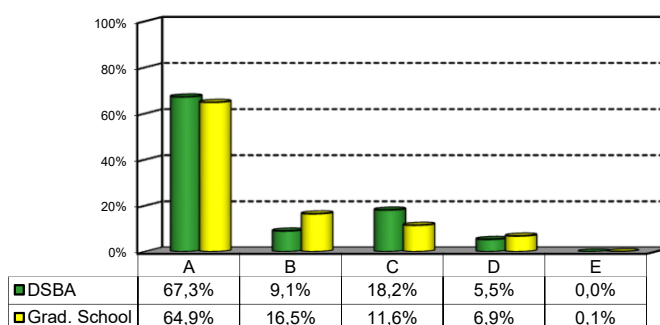
2a) If you could go back in time, would you enroll in the University again?

Answers	Italian		Non Italian		Total	
	v.a.	%	v.a.	%	v.a.	%
A-YES, in the same program at this University	26	63,4%	11	78,6%	37	67,3%
B-YES, in another program at this University	4	9,8%	1	7,1%	5	9,1%
C-YES, in the same program but at another University	10	24,4%	0	0,0%	10	18,2%
D-YES, in another program at another University	1	2,4%	2	14,3%	3	5,5%
E-NO, I would not enrol in university anymore	0	0,0%	0	0,0%	0	0,0%
<b>Total</b>	<b>41</b>	<b>100%</b>	<b>14</b>	<b>100%</b>	<b>55</b>	<b>100%</b>
NA	1		0		1	

Over time comparison



Comparison with the overall School data



## General satisfaction and short-term plans

(In case of answer "B" to item no.2a)

### 2b) Which program would you enroll at this University?

<b>MSc</b>	<b>a.v.</b>	<b>%</b>
ACME	0	0,0%
AFC	1	33,3%
FIN	1	33,3%
CLELI	0	0,0%
ESS	1	33,3%
EMIT	0	0,0%
GIO	0	0,0%
IM	0	0,0%
M	0	0,0%
MM	0	0,0%
<b>Total</b>	<b>3</b>	<b>100%</b>
NA	2	

### 2c) Why would you make a different choice?

(In case of answer "B", "C", "D" or "E" to item no.2a)

<b>Answers</b>	<b>a.v.</b>	<b>% 2020-21</b>	<b>% 2019-20</b>
A - My interest has changed over time / I discovered that I have different attitudes	2	12,5%	28,6%
B - The MS program did not satisfy my expectations	9	56,3%	57,1%
C - I would have preferred to attend a MS program with a more generalist approach	1	6,3%	0,0%
D - I would have preferred to attend a MS program with a more specialist approach	1	6,3%	0,0%
E - I would have preferred to attend the same MS program but taught in English	0	0,0%	0,0%
F - Other reasons	3	18,8%	14,3%
<b>Total</b>	<b>16</b>	<b>100%</b>	<b>100%</b>
NA	2		

#### F- Other reasons:

I stayed only because of the connections with the faculty I made during the bachelor, knowing I was aspiring for a PhD they could have helped me (as in fact, they did).

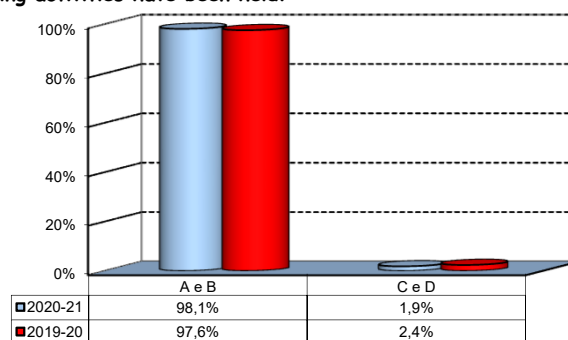
too many useless business-related courses (i.e business analytics, marketing analytics). They are completely useless for the data science track and we did not learn anything from them. Plus, the relationship with the professors of those courses was awful.

Would have wanted another experience abroad and with a different university system

## Infrastructure: Classrooms, Library And Facilities

1) What is your opinion about the classrooms where lessons and other teaching activities have been held?\*

Answers	a.v.	%
A - Always or nearly always adequate	38	70,4%
B - Often adequate	14	25,9%
C - Rarely adequate	1	1,9%
D - Never adequate	0	0,0%
E - I did not use them	1	1,9%
<b>Total</b>	<b>54</b>	<b>100%</b>
NA	2	

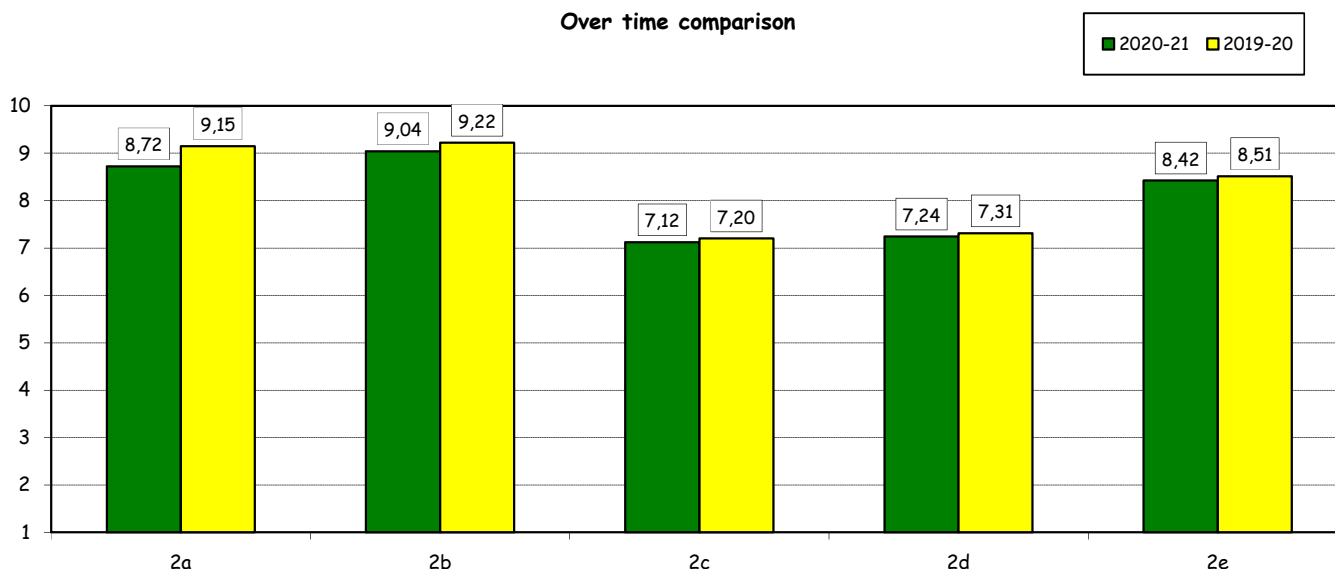


2) How would you evaluate:

(In case of answer "A", "B", "C" or "D" to item no.1)

Answers		Negative				Positive				Total		NA	N.R.
		1-2		3-4-5		6-7-8		9-10					
		a.v.	%	a.v.	%	a.v.	%	a.v.	%	a.v.	%		
a) The adequacy of the audio and multimedia systems (e.g. instructor's computer, projectors, video players) installed in the classrooms.		0	0,0	1	2,3	17	39,5	25	58,1	43	100,0		4
b) The cleanliness of classrooms and of other common areas on campus (corridors, halls, study rooms).		0	0,0	1	1,9	14	26,9	37	71,2	52	100,0		4
c) The adequacy of the amount of areas/seats reserved to individual study in the University Library.		7	13,7	3	5,9	20	39,2	21	41,2	51	100,0	0	5
d) The adequacy of the amount of areas/seats reserved to individual study in other buildings on campus.		6	12,0	5	10,0	18	36,0	21	42,0	50	100,0	0	6
e) The clarity and adequacy of the signage system on campus.		1	2,0	0	0,0	23	46,0	26	52,0	50	100,0		6

Over time comparison

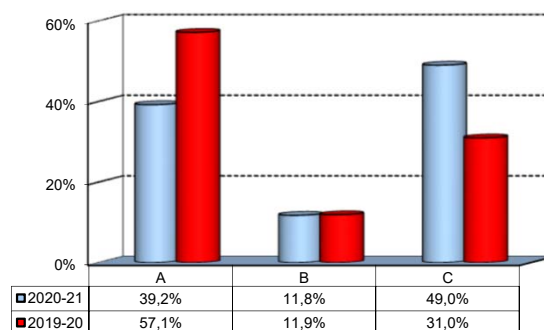


(\*): the percentage shown on the graphs is calculated by excluding the responses of those who declare that they have not used the service.

## Infrastructure: Classrooms, Library And Facilities

3) What is your overall opinion on the PC Labs and IT facilities provided by the University?

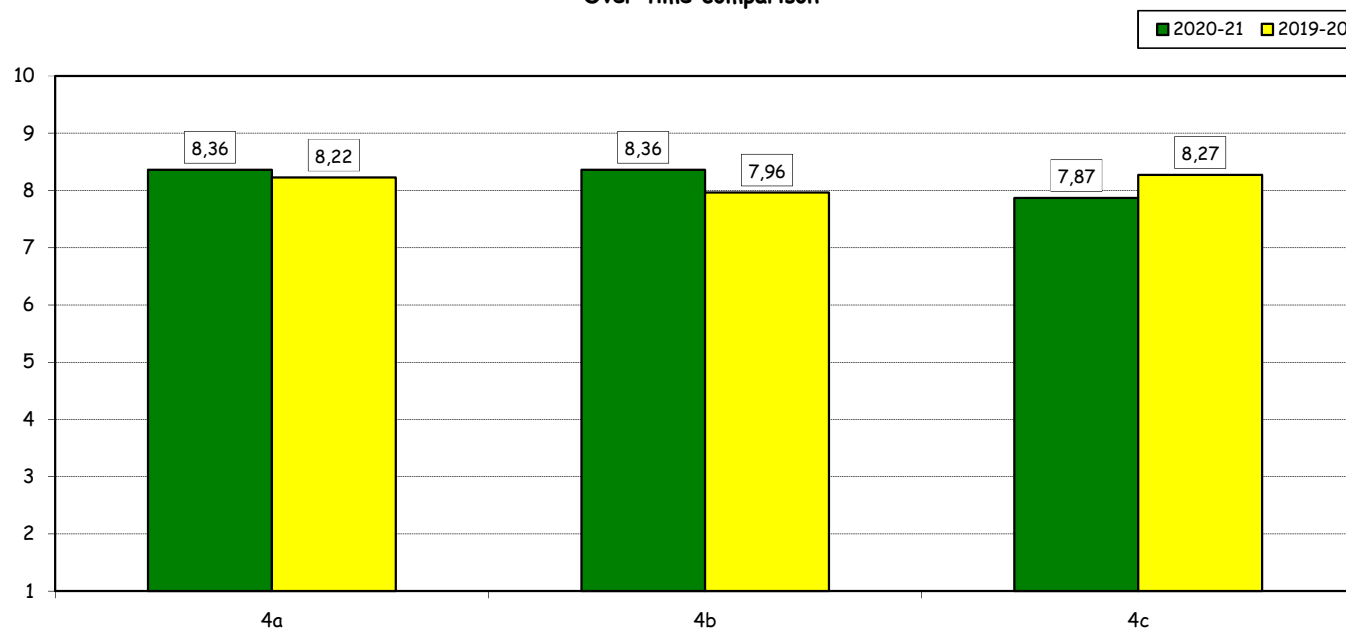
Answers	a.v.	%
A- Adequate in number	20	39,2%
B- Inadequate in number	6	11,8%
C- Never used	25	49,0%
<b>Total</b>	<b>51</b>	<b>100%</b>
NA	5	



4) How do you evaluate:

Answers		Negative				Positive				Total		N.R.
		1-2		3-4-5		6-7-8		9-10				
Item		a.v.	%	a.v.	%	a.v.	%	a.v.	%	a.v.	%	
a) The availability of technical staff supporting students (Tutors) in PC Labs.*		0	0,0	1	4,0	11	44,0	13	52,0	25	100,0	1
b)The convenience of the PC Labs' opening hours.*		0	0,0	1	4,0	10	40,0	14	56,0	25	100,0	1
c) The level of accessibility and usability of the University's IT services (Internet access points, Punto Blu, Virtual Punto Blu, wireless connection).		1	1,9	5	9,6	26	50,0	20	38,5	52	100,0	4

### Over time comparison

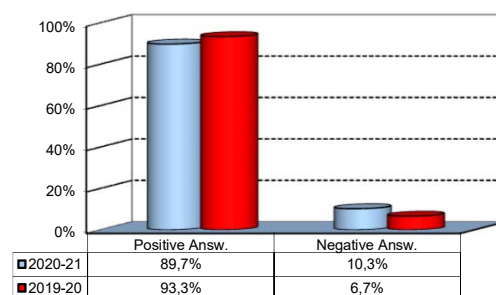


(\*): Only in case of answer "A" or "B" to item no.3

## Infrastructure: Classrooms, Library And Facilities

5) What is your overall opinion on the Library's services, such as support for individual study?\*

Answers	a.v.	%
A - Very Positive	19	36,5%
B - Quite positive	16	30,8%
C - Quite negative	4	7,7%
D - Very Negative	0	0,0%
E - Never used	13	25,0%
<b>Total</b>	<b>52</b>	<b>100%</b>
NA	4	

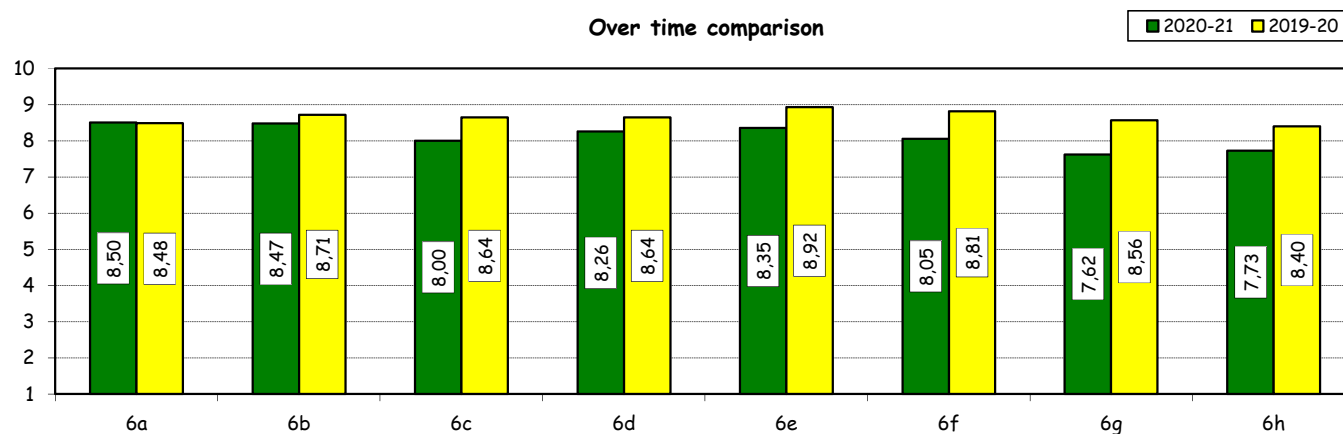


6) How would you evaluate:

(In case of answer "A", "B", "C" or "D" to item no. 5)

Answers		Negative				Positive				Total		N.A.
		1-2		3-4-5		6-7-8		9-10				
		a.v.	%	a.v.	%	a.v.	%	a.v.	%	a.v.	%	
a) The convenience of the Library's opening hours and access to its main services.		0	0,0	2	5,3	14	36,8	22	57,9	38	100,0	1
b) The range of collections available in the Library and the frequency they are updated (books, magazines, electronic resources, databases).		1	2,6	0	0,0	14	36,8	23	60,5	38	100,0	1
c)The speed of fulfillment of requests for documents provided by other Libraries.		0	0,0	2	5,4	22	59,5	13	35,1	37	100,0	2
d) The number of documents that may be borrowed and the duration of the loan period.		0	0,0	2	5,7	16	45,7	17	48,6	35	100,0	4
e) The assistance provided by the Library staff in bibliographic searches for specific topics and in the use of Library's print and electronic collections.		0	0,0	1	2,7	17	45,9	19	51,4	37	100,0	2
f) The efficiency and ease of use of the search tools provided (on and off campus).		0	0,0	2	5,4	18	48,6	17	45,9	37	100,0	2
g) The number of books and journals available on open shelves in the reading rooms.		2	5,4	2	5,4	18	48,6	15	40,5	37	100,0	2
h) The usefulness of workshops offered by the Library to understand how to use the resources available (catalogues, e-journals, databases, etc.).		0	0,0	5	15,2	14	42,4	14	42,4	33	100,0	6

Over time comparison



(\*): the percentage shown on the graphs is calculated by excluding the responses of those who declare that they have not used the service.