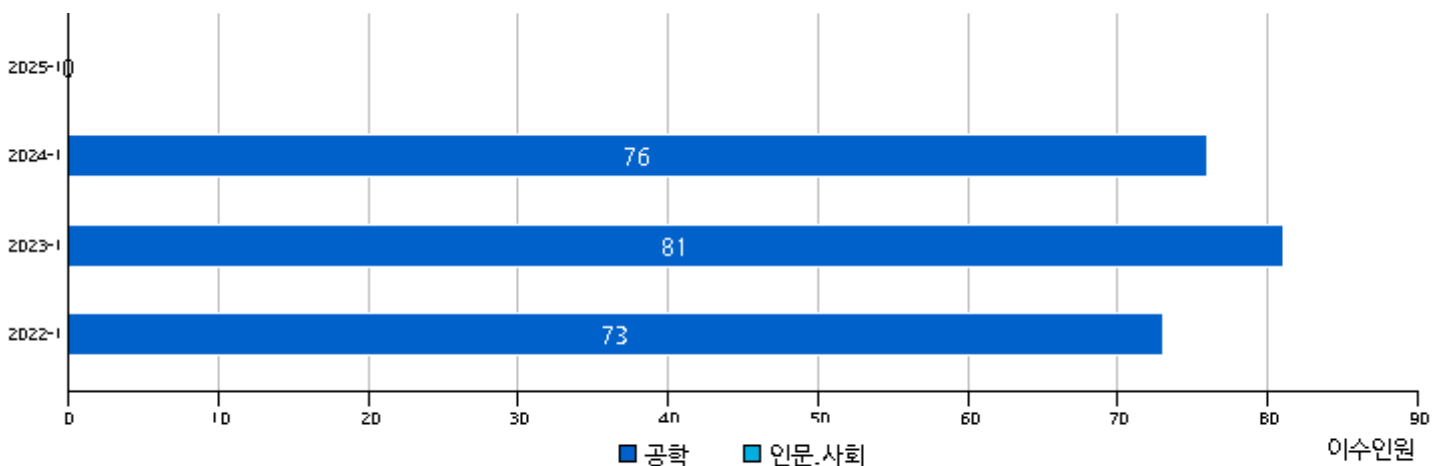
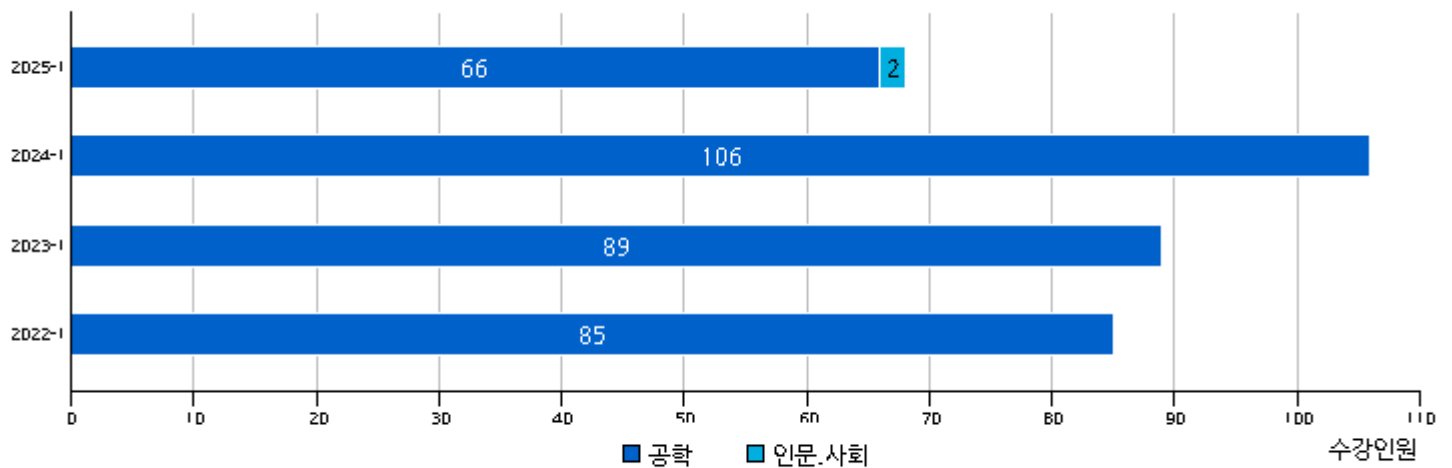
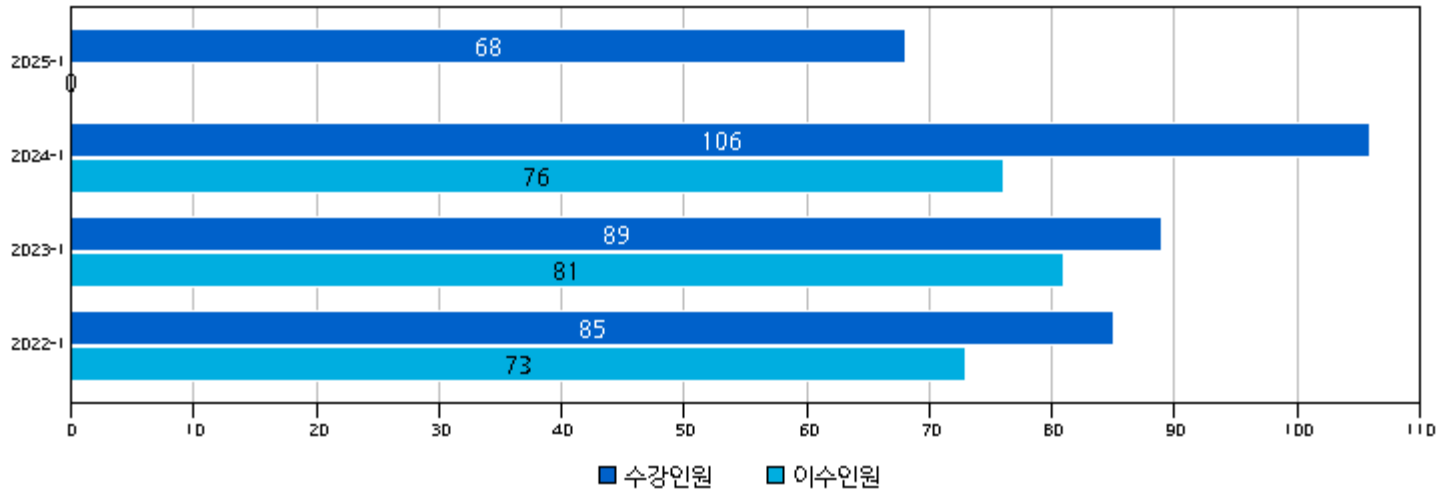


교과목 포트폴리오 (SOI1003 데이터사이언스기초)

1. 교과목 수강인원



교과목 포트폴리오 (SOI1003 데이터사이언스기초)

수업년도	수업학기	계열구분	수강인원	이수인원
2022	1	공학	85	73
2023	1	공학	89	81
2024	1	공학	106	76
2025	1	인문.사회	2	0
2025	1	공학	66	0



교과목 포트폴리오 (SOI1003 데이터사이언스기초)

2. 평균 수강인원



수업년도	수업학기	캠퍼스	공통교과목	학과교과목	해당교과목	내교과목
No data have been found.						



교과목 포트폴리오 (SOI1003 데이터사이언스기초)

3. 성적부여현황(평점)

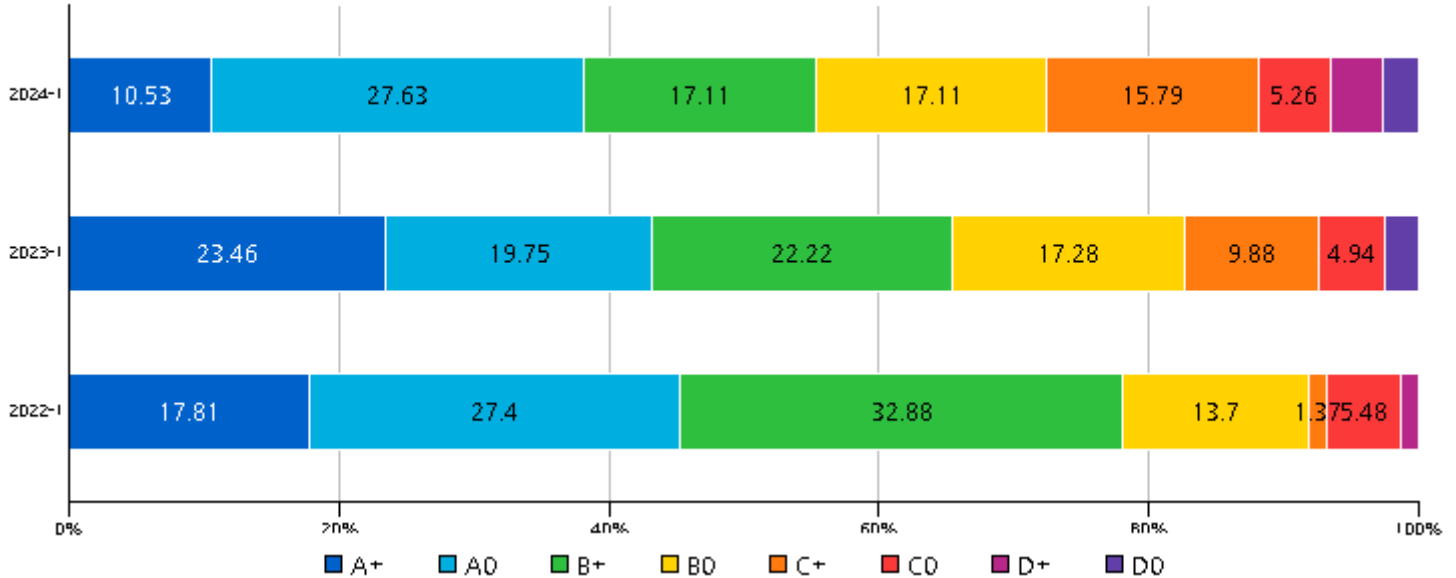


수업년도	수업학기	캠퍼스	공통교과목	학과교과목	해당교과목	내교과목
No data have been found.						



교과목 포트폴리오 (SOI1003 데이터사이언스기초)

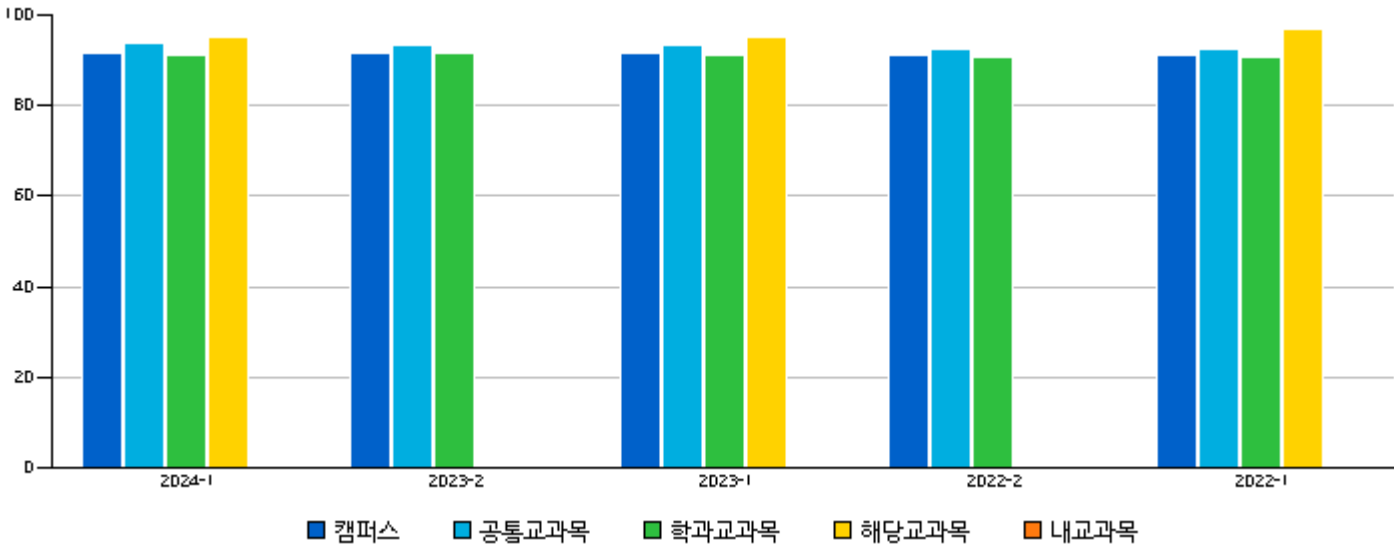
4. 성적부여현황(등급)



수업년도	수업학기	등급	인원	비율	수업년도	수업학기	등급	인원	비율
2022	1	A+	13	17.81	2024	1	D+	3	3.95
2022	1	A0	20	27.4	2024	1	D0	2	2.63
2022	1	B+	24	32.88					
2022	1	B0	10	13.7					
2022	1	C+	1	1.37					
2022	1	C0	4	5.48					
2022	1	D+	1	1.37					
2023	1	A+	19	23.46					
2023	1	A0	16	19.75					
2023	1	B+	18	22.22					
2023	1	B0	14	17.28					
2023	1	C+	8	9.88					
2023	1	C0	4	4.94					
2023	1	D0	2	2.47					
2024	1	A+	8	10.53					
2024	1	A0	21	27.63					
2024	1	B+	13	17.11					
2024	1	B0	13	17.11					
2024	1	C+	12	15.79					
2024	1	C0	4	5.26					

교과목 포트폴리오 (SOI1003 데이터사이언스기초)

5. 강의평가점수



수업년도	수업학기	캠퍼스	공통교과목	학과교과목	해당교과목	내교과목
2024	1	91.5	93.79	91.1	95	
2023	2	91.8	93.15	91.56		
2023	1	91.47	93.45	91.13	95	
2022	2	90.98	92.48	90.7		
2022	1	90.98	92.29	90.75	97	

교과목 포트폴리오 (SOI1003 데이터사이언스기초)

6. 강의평가 문항별 현황

번호	평가문항	본인 평 균 (가중 치적용)	소속학과,대학평균과의 차이 (+초과,-:미달)		점수별 인원분포						
					매우 그 렇 지 않 다	그 렇 지 않 다	보 통 이 다	그 렇 다	매우 그 렇 다		
		5점 미만	학과		대학		1점	2점	3점	4점	5점
			차이	평균	차이	평균					
	교강사:										

No data have been found.

7. 개설학과 현황

학과	2025/1	2024/1	2023/1	2022/1	
데이터사이언스학부	1강좌(3학점)	1강좌(3학점)	1강좌(3학점)	2강좌(6학점)	0강좌(0학점)

8. 강좌유형별 현황

강좌유형		2022/1	2023/1	2024/1	2025/1
일반	0강좌(0)	2강좌(85)	1강좌(89)	1강좌(106)	1강좌(68)

9. 교과목개요

교육과정	관장학과	국문개요	영문개요	수업목표
학부 2024 - 2027 교육과정	서울 공과대학 데이터사이언스학부	데이터사이언스에 입문하는 학생들을 위한 기초 과목으로서 데이터 과학의 역사, 인공 지능, 기본 데이터 개념, 머신 러닝 기술, 데이터 엔지니어링, 빅 데이터 원리, 데이터 시각화 기술, 데이터 과학 실무에서 윤리의 역할을 다룹니다. 또한 자연어 처리, 컴퓨터 비전, 시뮬레이션 모델링, 사물 인터넷, 인간과 컴퓨터의 상호 작용, 가상 물리 시스템 등 의 분야가 데이터사이언스와 어떻게 연관되어 있는지에 대해서도 다룰 예정입니다. 본 수업의 목표는 데이터사이언스학부 전 과정을 간략하게 개관하고 학생들이 현대 데이터 과학의 실무에서 이러한 주제가 어떻게 상호 연결되어있는지 이해하게 하여 차후 고급 과정을 수강할 수 있는 기반을 마련하는 것입니다.	The course is an introduction to data science fundamental concepts. The course will cover the history of data science, the connection to artificial intelligence, fundamental data concepts, machine learning techniques, data engineering, big data principles, data visualization techniques, and the role of ethics in data science practice. We will also touch on several special topics to understand how they are related to data science: natural language processing, computer vision, simulation modeling, internet-of-things, human-computer interaction, and cyber-physical systems. The goal of the course is for students to develop a broad understanding of how all these topics interconnect in the practice of modern data science, and to lay the foundation for	<ul style="list-style-type: none">• understand the basics behind each data science topic, and how they interconnect to each other in modern data science• understand the history of data science, and its development from computer science, statistics, cognitive science, etc. into its own separate field

교과목 포트폴리오 (SOI1003 데이터사이언스기초)

교육과정	관장학과	국문개요	영문개요	수업목표
				<ul style="list-style-type: none"> • understand basic principles of machine learning and AI • understand basic principles related to data, data engineering, and big data when it comes to managing data in modern computing systems • understand basic principles of data visualization, and related topics around human computer interaction, for effective communication and storytelling • understand the role of ethics and privacy issues in the practice of modern data science • understand the role of special topics like NLP, computer vision, simulation modeling, and IOT • have a foundational understanding of all the above data science topics, with proficiency to engage in more advanced courses in the future

students to take more advanced courses on these topics in the future.

교과목 포트폴리오 (SOI1003 데이터사이언스기초)

교육과정	관장학과	국문개요	영문개요	수업목표
학부 2020 - 2023 교육과정	서울 인텔리전스컴퓨팅학부 데이터사이언스학과		<p>The course is an introduction to data science fundamental concepts. The course will cover the history of data science, the connection to artificial intelligence, fundamental data concepts, machine learning techniques, data engineering, big data principles, data visualization techniques, and the role of ethics in data science practice. We will also touch on several special topics to understand how they are related to data science: natural language processing, computer vision, simulation modeling, internet-of-things, human-computer interaction, and cyber-physical systems. The goal of the course is for students to develop a broad understanding of how all these topics interconnect in the practice of modern data science, and to lay the foundation for students to take more advanced courses on these topics in the future.</p>	<p>At the end of the course, students should be able to:</p> <ul style="list-style-type: none"> - understand the basics behind each data science topic, and how they interconnect to each other in modern data science - understand the history of data science, and its development from computer science, statistics, cognitive science, etc. into its own separate field - understand basic principles of machine learning and AI - understand basic principles related to data, data engineering, and big data when it comes to managing data in modern computing systems - understand basic principles of data visualization, and related topics around human computer interaction, for effective communication and storytelling - understand the role of ethics and privacy issues in the practice of

교과목 포트폴리오 (SOI1003 데이터사이언스기초)

교육과정	관장학과	국문개요	영문개요	수업목표
				<p>modern data science</p> <ul style="list-style-type: none"> - understand the role of special topics like NLP, computer vision, simulation modeling, and IOT - have a foundational understanding of all the above data science topics, with proficiency to engage in more advanced courses in the future
학부 2020 - 2023 교육과정	서울 인텔리전스컴퓨팅학부 심리뇌과학과		<p>The course is an introduction to data science fundamental concepts. The course will cover the history of data science, the connection to artificial intelligence, fundamental data concepts, machine learning techniques, data engineering, big data principles, data visualization techniques, and the role of ethics in data science practice. We will also touch on several special topics to understand how they are related to data science: natural language processing, computer vision, simulation modeling, internet-of-things, human-computer interaction, and cyber-physical systems. The goal of the course is for students to develop a broad understanding of how all these topics interconnect in the practice of modern data science, and to lay the foundation for students to take more advanced courses on these topics in the future.</p>	<p>At the end of the course, students should be able to:</p> <ul style="list-style-type: none"> - understand the basics behind each data science topic, and how they interconnect to each other in modern data science - understand the history of data science, and its development from computer science, statistics, cognitive science, etc. into its own separate field - understand basic principles of machine learning and AI - understand basic principles related to data, data engineering, and big data when it

교과목 포트폴리오 (SOI1003 데이터사이언스기초)

교육과정	관장학과	국문개요	영문개요	수업목표
				<p>comes to managing data in modern computing systems</p> <ul style="list-style-type: none"> - understand basic principles of data visualization, and related topics around human computer interaction, for effective communication and storytelling - understand the role of ethics and privacy issues in the practice of modern data science - understand the role of special topics like NLP, computer vision, simulation modeling, and IOT - have a foundational understanding of all the above data science topics, with proficiency to engage in more advanced courses in the future
학부 2020 - 2023 교육과정	서울 공과대학 데이터사이언스학부	<p>데이터사이언스에 입문하는 학생들을 위한 기초 과목으로서 데이터 과학의 역사, 인공 지능, 기본 데이터 개념, 머신 러닝 기술, 데이터 엔지니어링, 빅 데이터 원리, 데이터 시각화 기술, 데이터 과학 실무에서 윤리의 역할을 다룹니다. 또한 자연어 처리, 컴퓨터 비전, 시뮬레이션 모델링, 사물 인터넷, 인간과 컴퓨터의 상호 작용, 가상 물리 시스템 등 의 분야가 데이터사이언스와 어떻게 연관되어 있는지에 대해서도 다룰 예정입니다. 본 수업의 목표는 데이터사이언스학부 전 과정을 간략하게 개관하고 학생들이 현대</p>	<p>The course is an introduction to data science fundamental concepts. The course will cover the history of data science, the connection to artificial intelligence, fundamental data concepts, machine learning techniques, data engineering, big data principles, data visualization techniques, and the role of ethics in data science practice. We will also touch on several special topics to understand how they are related to data science: natural</p>	<ul style="list-style-type: none"> • understand the basics behind each data science topic, and how they interconnect to each other in modern data science • understand the history of data

교과목 포트폴리오 (SOI1003 데이터사이언스기초)

교육과정	관장학과	국문개요	영문개요	수업목표
		<p>데이터 과학의 실무에서 이러한 주제가 어떻게 상호 연결되어있는지 이해하게 하여 차후 고급 과정을 수강할 수 있는 기반을 마련하는 것입니다.</p>	<p>language processing, computer vision, simulation modeling, internet-of-things, human-computer interaction, and cyber-physical systems. The goal of the course is for students to develop a broad understanding of how all these topics interconnect in the practice of modern data science, and to lay the foundation for students to take more advanced courses on these topics in the future.</p>	<p>science, and its development from computer science, statistics, cognitive science, etc. into its own separate field</p> <ul style="list-style-type: none"> • understand basic principles of machine learning and AI • understand basic principles related to data, data engineering, and big data when it comes to managing data in modern computing systems • understand basic principles of data visualization, and related topics around human computer interaction, for effective communication and storytelling • understand the role of ethics and privacy issues in the practice of modern data science • understand the role of special topics like NLP, computer vision, simulation modeling, and IOT • have a foundational understanding of all the above data

교과목 포트폴리오 (SOI1003 데이터사이언스기초)

교육과정	관장학과	국문개요	영문개요	수업목표
				science topics, with proficiency to engage in more advanced courses in the future

10. CQI 등록내역

No data have been found.

