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Sprint	Synchronous	Date	Corresponding week	Mandatory courses	Optional courses	Project	Project Meetings
	Conditions of successful completion: 14/17 mandatory certificates + complete the project. Hourly volume: 280h training + 120h project Courses with exams (and therefore certification) are marked with an *, while for the other ones you just need to complete the notebooks You'll get a certificate for every exam you pass						
Sprint 0 - Prep work			0	**First steps on the plateform** **Introduction DS : the Data Scientist job**			
Sprint 1 - Python Basics	**Kick off - Common** Tuesday, August 6, 5pm - 6pm **Kick off Pedagogical** Wednesday, August 7, 5pm - 6pm **Ice Breaker** TBD	Tue, 06/ 08/ 2024	1	**Python for Data Science*** **Exploratory Statistics***	**Data Quality*** **Object oriented programming*** **Advanced Python** **Playground**		
	Summer holiday	Mon, 12/ 08/ 2024					
		Mon, 19/ 08/ 2024					
		Mon, 26/ 08/ 2024	2				
	Mid-sprint : Errors management Monday, September 2, 1 pm - 2pm	Mon, 02/ 09/ 2024	3				
		Mon, 09/ 09/ 2024	4				
	Masterclass 1 - Best practices + Correction exam 101 *Thursday, September 19, 5:30pm -7:30 pm*	Mon, 16/ 09/ 2024	5				
Sprint 2 - DataViz'	***Project presentation*** *Monday, September 23, 1 pm - 2pm*	Mon, 23/ 09/ 2024	6	**DataViz' with Matplotlib*** **DataViz' with Seaborn***	**DataViz' with Matplotlib - Complements** **DataViz' with Plotly***	***Fill project form*** *---> Projects allocated* ***at the end of the sprint***	
		Mon, 30/ 09/ 2024	7				
		Mon, 07/ 10/ 2024	8				
	Masterclass 2 : Data Viz + Correction exam 112 *Thursday, October 17, 5:30pm -7:30 pm*	Mon, 14/ 10/ 2024	9				
Sprint 3 - Programming tools		Mon, 21/ 10/ 2024	10	**First steps on the virtual machine** **Linux & Bash*** **Git & Github**	**Unit testing** **AWS Cloud Practitioner**		
	Mid-sprint Session *Monday, October 28, 1 pm - 2pm*	Mon, 28/ 10/ 2024	11				
		Mon, 04/ 11/ 2024	12				
	Masterclass 3 : Toolings & environnements *Thursday, November 14, 5:30pm -7:30 pm*	Mon, 11/ 11/ 2024	13				
Sprint 4 - Machine learning 1/4		Mon, 18/ 11/ 2024	14	**Classification*** **Regression***	**Clustering***	***Data Exploration and Dataviz'***	Framing Call
	Mid-sprint Session *Monday, November 25, 1 pm - 2pm*	Mon, 25/ 11/ 2024	15				
		Mon, 02/ 12/ 2024	16				
	Masterclass 4 : Data Science Project *Thursday, December 12, 5:30pm -7:30 pm*	Mon, 09/ 12/ 2024	17				Call
Sprint 5 - Machine learning 2/4		Mon, 16/ 12/ 2024	18	**Advanced Classification*** **Recommender Systems**	**Methodology in Data Science** **Pipeline***	***Pre-processing et feature engineering*** *--> **Delivery** of the exploration, data visualization and data pre-processing* ***report***	
	Winter holiday	Mon, 23/ 12/ 2024					
		Mon, 30/ 12/ 2024					
	Mid-sprint Session *Monday, January 6, 1 pm - 2pm*	Mon, 06/ 01/ 2025	19				
		Mon, 13/ 01/ 2025	20				Call before Rendering 1
	Masterclass 5 : Time Series and Dimension Reduction Thursday, January 23, 5:30pm -7:30 pm	Mon, 20/ 01/ 2025	21				
Sprint 6 - Machine learning 3/4		Mon, 27/ 01/ 2025	22	**Dimension Reduction*** **Time Series***	**Anomaly Detection*** **Reinforcement Learning***	***Modelisation 1***	
		Mon, 03/ 02/ 2025	23				Call
		Mon, 10/ 02/ 2025	24				
	Masterclass 6 : Model Interpretability *Thursday, February 20, 5:30pm -7:30 pm*	Mon, 17/ 02/ 2025	25				
Sprint 7 - Machine learning 4/4		Mon, 24/ 02/ 2025	26	**Ethics & Interpretability in AI** **MLflow*** **Text Mining***	**Web Scraping with BeautifulSoup*** **Graph Theory with NetworkX***	***Modelisation 2***	Call
		Mon, 03/ 03/ 2025	27				
		Mon, 10/ 03/ 2025	28				
	Masterclass 7 : Intro MLOps *Thursday, March 20, 5:30pm -7:30 pm*	Mon, 17/ 03/ 2025	29				Call
Sprint 8 - Deep learning		Mon, 24/ 03/ 2025	30	**Computer Vision with Open CV** **Dense neural networks with Keras*** **Convolutional neural networks with Keras ***	**TensorFlow*** **Convolutional neural networks with Pytorch***	***Modelisation 3*** ***--> Delivery** of the modeling* ***report***	
		Mon, 31/ 03/ 2025	31				
	Masterclass 8 - Deep Learning Fundamentals *Thursday, April 10, 5:30pm -7:30 pm*	Mon, 07/ 04/ 2025	32				Call before Rendering 2
		Mon, 14/ 04/ 2025	33				
	Masterclass 9 : Use Case of Deep Learning *Thursday, April 24, 5:30pm -7:30 pm*	Mon, 21/ 04/ 2025	34				
Sprint 9 - Data Engineering		Mon, 28/ 04/ 2025	35	**SQL*** **APIs fundamentals***	**Fundamentals of Data Integration** **Pyspark***	***Project finalization and cleaning of the codes*** *--> **Delivery** of the final* ***report*** *+ associated* ***GitHub***	Call post Rendering 2
		Mon, 05/ 05/ 2025	36				
		Mon, 12/ 05/ 2025	37				
	Masterclass 10 : Data Engineering Fundamentals *Thursday, May 21, 5:30pm -7:30 pm*	Mon, 19/ 05/ 2025	38				Call before Final Rendering

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Sprint 10 - MLOps		Mon, 26/ 05/ 2025	39	**Streamlit** **Docker***	**AWS Solution Architect**	***Preparation for the presentation and development of the streamlit demo and/or API*** ***--> Presentation & Demo***	
	Mid-sprint Session Monday, June 2, 1 pm -2 pm	Mon, 02/ 06/ 2025	40				Call preparation Defense
		Mon, 09/ 06/ 2025	41				Call Mock Defense
	Defenses : Monday/Tuesday ***End of Training : Friday***	Mon, 16/ 06/ 2025	42				
	Jury 1st session : next Tuesday	Mon, 23/ 06/ 2025				*--> Jury of global validation of the project*	
	2nd session Jury	Mon 07/07/2025					
	Graduation	it will take place within 3 months from the date of receipt of the final diploma					