## TEXAS McCombs The University of Texas at Austin McCombs School of Business



## **PGP - Data Science & Business Analytics**

## **Orientation Session**

15-Jul-2023

Prework	M #	Module	Course	Content Release Date	Assessment Deadline	Mentored Learning Sessio
Python - Foundations	0	Prework	Programming Basics and Intro to Python	Available on enrollment		22-Jul
Python - Foundations		Puthon - Foundations	Introduction to Python	Available on enrollment	30-Jul	29-Jul
Python - Foundations			Python for Data Science	20-Jul	6-Aug	5-Aug
Python-Poundations   EDA   3-Aug   27-Aug   26-Aug   Break   Labor Day Pres   9-Sep   9-Sep   9-Sep   7-Sep   10-Sep   10-Aug   15-Sep   16-Sep			Data Visualisation with Python	27-Jul	13-Aug	12-Aug
Fig.	1		Break		Revision Week	
Support Session	-	Tython Toundations	EDA	3-Aug	27-Aug	26-Aug
Project 1			Break		Labor Day Break	
Business Statistics    Estimation and Hypothesis Festing   21-Sep   1-Oct   30-Sep   3-Oct   4-Oct   1-Oct   30-Sep   3-Oct   4-Oct   1-Oct			Support Session			9-Sep
Business Statistics   Estimation and Hypothesis Testing   21-Sep   1-Oct   30-Sep   Common Statistical Tests   28-Sep   8-Oct   7-Oct   7-Oc			Project 1	10-Aug	15-Sep	16-Sep
Susiness Statistics   Common Statistical Tests   28-Sep   8-Oct   7-Oct     Project   28-Sep   13-Oct   14-Oct     Linear Regression   12-Oct   22-Oct   22-Oct     Support Session     -     Foundations   Support Session   -   -   -     Froyer 3   19-Oct   17-Nov   18-Nov     Freak	2	Business Statistics	Inferential Statistics Foundations	14-Sep	24-Sep	23-Sep
Supervised Learning -			Estimation and Hypothesis Testing	21-Sep	1-Oct	30-Sep
Supervised Learning - Foundations			Common Statistical Tests	28-Sep	8-Oct	7-Oct
Supervised Learning			Project 2	28-Sep	13-Oct	14-Oct
Supervised Learning - Foundations Foundati			Linear Regression	12-Oct	22-Oct	21-Oct
Foundations   Supervised   Project 3   19-Oct   17-Nov   18-Nov   18-Nov   19-Oct   17-Nov   18-Nov   18-Nov   19-Oct   17-Nov   18-Nov   18-Nov   19-Oct   17-Nov   18-Nov			Linear Regression Assumptions	19-Oct	29-Oct	28-Oct
Project 3 19-00 17-Nov 18-Nov 18-No			Support Session			4-Nov
Supervised Learning -   Classification			Break		Diwali Break	
Logistic Regression 16-Nov 3-Dec 2-Dec NA Classification 16-Dec 5-Dec NA Decision Trees 30-Nov 10-Dec 9-Dec NA Decision Trees 30-Nov 10-Dec 9-Dec NA Decision Trees 30-Nov 10-Dec 9-Dec NA Decision Trees 30-Nov 15-Dec 16-Dec Project 4 30-Nov 15-Dec 16-Dec NA Decision Trees National Project 4 30-Nov 15-Dec 16-Dec NA Decision Trees National Project 4 30-Nov 15-Dec 16-Dec NA Decision Trees National Project 5 14-Dec 7-Jan 6-Jan 14-Jan 14-Jan 13-Jan 14-Jan 19-Jan 20-Jan Project 5 4-Jan 19-Jan 20-Jan Project 5 4-Jan 19-Jan 20-Jan 19-Jan 20-Jan Project 6 25-Jan 9-Feb 10-Feb 3-Feb Project 6 25-Jan 9-Feb 10-Feb 10-Feb 17-Feb 18-Feb 18-Feb 17-Feb 18-Feb 18-			Project 3	19-Oct	17-Nov	18-Nov
Supervised Learning - Classification   Decision Trees   30-Nov   10-Dec   9-Dec			Break	TI	hanksgiving Break	
Classification   Decision Trees   30-Nov   10-Dec   9-Dec			Logistic Regression	16-Nov	3-Dec	2-Dec
Classification Pocision Trees Project 4 30-Nov 15-Dec 16-Dec 16-D			Hackathon*	1-Dec	5-Dec	NA
Final Project 7   15-Feb   1-Mar   1			Decision Trees	30-Nov	10-Dec	9-Dec
Ensemble Techniques    Boosting - GBM, XGBM, Adaboost   4-Jan   14-Jan   13-Jan   13			Project 4	30-Nov	15-Dec	16-Dec
Boosting - GBM, XGBM, Adaboost 4-Jan 14-Jan 13-Jan	5	Ensemble Techniques	Break		Year End Break	
Project 5 4-Jan 19-Jan 20-Jan  Feature Engineering & Handling Imbalanced Data 18-Jan 28-Jan 27-Jan  Regularization & Hyperparameter Tuning 25-Jan 4-Feb 3-Feb  Project 6 25-Jan 9-Feb 10-Feb  K means Clustering 8-Feb 18-Feb 18-Feb 25-Feb 24-Feb  Hierarchical Clustering 15-Feb 25-Feb 24-Feb  Project 7 15-Feb 1-Mar 2-Mar  Project A 1-Mar 5-Mar NA  Self Pacced Modules  8 Generative AI Released post Unsupervised Learning NA NA  9 Data Visualization with Tableau Released post Unsupervised Learning NA NA  10 Time Series Forecasting Released post Unsupervised Learning NA NA  11 Marketing & Retail Analytics Released post Unsupervised Learning NA NA  12 Finance & Risk Analytics Released post Unsupervised Learning NA NA  13 Web & Social Media Analytics Released post Unsupervised Learning NA NA  14 Supply Chain & Logistics Analytics Released post Unsupervised Learning NA NA  NA  NA  This schedule might change in future as and when the design of the program is improved upon.  The assessment deadlines here mean end of the day. Exact deadline time will vary for different timezones, but it will always be beyond end the day for the dates mentioned here.  3 Capstone schedule will be shared with those who opt for it, post 6th Module.  4 Assessment here could mean either a quiz or a project.			Ensemble Methods - Random Forest	14-Dec	7-Jan	6-Jan
Feature Engineering & Handling Imbalanced Data 18-Jan 28-Jan 27-Jan Regularization & Hyperparameter Tuning 25-Jan 4-Feb 3-Feb 10-Feb Project 6 25-Jan 9-Feb 10-Feb 10-Feb 10-Feb Hierarchical Clustering 8-Feb 18-Feb 17-Feb Hierarchical Clustering 15-Feb 25-Feb 24-Feb Project 7 15-Feb 1-Mar 2-Mar NA Self Pacced Modules  8 Generative AI Released post Unsupervised Learning NA NA NA 9 Data Visualization with Tableau Released post Unsupervised Learning NA NA NA 10 Time Series Forecasting Released post Unsupervised Learning NA NA NA 11 Marketing & Retail Analytics Released post Unsupervised Learning NA			Boosting - GBM, XGBM, Adaboost	4-Jan	14-Jan	13-Jan
Model Tuning   Regularization & Hyperparameter Tuning   25-Jan   4-Feb   3-Feb   10-Feb			Project 5	4-Jan	19-Jan	20-Jan
Project 6 25-Jan 9-Feb 10-Feb  K means Clustering 8-Feb 18-Feb 17-Feb  Hierarchical Clustering 15-Feb 25-Feb 24-Feb  Project 7 15-Feb 1-Mar 2-Mar  Hackathon* 1-Mar 5-Mar NA  Self Pacced Modules  Released post Unsupervised Learning NA NA  Data Visualization with Tableau Released post Unsupervised Learning NA NA  Time Series Forecasting Released post Unsupervised Learning NA NA  Marketing & Retail Analytics Released post Unsupervised Learning NA NA  Finance & Risk Analytics Released post Unsupervised Learning NA NA  Web & Social Media Analytics Released post Unsupervised Learning NA NA  Time Series Forecasting NA NA  The Assessment deadlines here mean end of the day. Exact deadline time will vary for different timezones, but it will always be beyond end the day for the dates mentioned here.  Capstone schedule will be shared with those who opt for it, post 6th Module.  Assessment here could mean either a quiz or a project.		Model Tuning	Feature Engineering & Handling Imbalanced Data	18-Jan	28-Jan	27-Jan
Name	6		Regularization & Hyperparameter Tuning	25-Jan	4-Feb	3-Feb
Hierarchical Clustering 15-Feb 25-Feb 24-Feb Project 7 15-Feb 1-Mar 2-Mar Hackathon* 1-Mar 5-Mar NA    Self Paced Modules   Released post Unsupervised Learning NA			Project 6	25-Jan	9-Feb	10-Feb
Project 7 15-Feb 1-Mar 2-Mar  Hackathon* 1-Mar 5-Mar NA  Self Paced Modules  Released post Unsupervised Learning NA NA  Data Visualization with Tableau Released post Unsupervised Learning NA NA  Marketing & Retail Analytics Released post Unsupervised Learning NA NA  Marketing & Retail Analytics Released post Unsupervised Learning NA NA  Marketing & Retail Analytics Released post Unsupervised Learning NA NA  Marketing & Retail Analytics Released post Unsupervised Learning NA NA  Marketing & Retail Analytics Released post Unsupervised Learning NA NA  Marketing & Retail Analytics Released post Unsupervised Learning NA NA  Marketing & Retail Analytics Released post Unsupervised Learning NA NA  Marketing & Released post U	7	Unsupervised Learning	K means Clustering	8-Feb	18-Feb	17-Feb
Hackathon*  Self Paced Modules  Released post Unsupervised Learning NA NA  Data Visualization with Tableau Released post Unsupervised Learning NA NA  Marketing & Retail Analytics Released post Unsupervised Learning NA NA  Marketing & Retail Analytics Released post Unsupervised Learning NA NA  This schedule Might change in future as and when the design of the program is improved upon.  The assessment deadlines here mean end of the day. Exact deadline time will vary for different timezones, but it will always be beyond end the day for the dates mentioned here.  Capstone schedule will be shared with those who opt for it, post 6th Module.  Assessment here could mean either a quiz or a project.			Hierarchical Clustering	15-Feb	25-Feb	24-Feb
Self Paced Modules  Released post Unsupervised Learning NA NA  Pata Visualization with Tableau Released post Unsupervised Learning NA NA  NA NA  This schedule Media Analytics Released post Unsupervised Learning NA NA  NOTES >>  This schedule might change in future as and when the design of the program is improved upon.  The assessment deadlines here mean end of the day. Exact deadline time will vary for different timezones, but it will always be beyond end the day for the dates mentioned here.  Capstone schedule will be shared with those who opt for it, post 6th Module.  Assessment here could mean either a quiz or a project.			Project 7	15-Feb	1-Mar	2-Mar
Released post Unsupervised Learning NA NA  Data Visualization with Tableau Released post Unsupervised Learning NA NA  Marketing & Retail Analytics Released post Unsupervised Learning NA NA  This schedule might change in future as and when the design of the program is improved upon.  The assessment deadlines here mean end of the day. Exact deadline time will vary for different timezones, but it will always be beyond end the day for the dates mentioned here.  Capstone schedule will be shared with those who opt for it, post 6th Module.  Assessment here could mean either a quiz or a project.			Hackathon*	1-Mar	5-Mar	NA
9 Data Visualization with Tableau Released post Unsupervised Learning NA NA 10 Time Series Forecasting Released post Unsupervised Learning NA NA 11 Marketing & Retail Analytics Released post Unsupervised Learning NA NA 12 Finance & Risk Analytics Released post Unsupervised Learning NA NA 13 Web & Social Media Analytics Released post Unsupervised Learning NA NA 14 Supply Chain & Logistics Analytics Released post Unsupervised Learning NA NA NOTES >> 1 This schedule might change in future as and when the design of the program is improved upon. 2 The assessment deadlines here mean end of the day. Exact deadline time will vary for different timezones, but it will always be beyond end the day for the dates mentioned here. 3 Capstone schedule will be shared with those who opt for it, post 6th Module. 4 Assessment here could mean either a quiz or a project.						
Time Series Forecasting Released post Unsupervised Learning NA						
11 Marketing & Retail Analytics Released post Unsupervised Learning NA NA 12 Finance & Risk Analytics Released post Unsupervised Learning NA NA 13 Web & Social Media Analytics Released post Unsupervised Learning NA NA 14 Supply Chain & Logistics Analytics Released post Unsupervised Learning NA NA NOTES >> 1 This schedule might change in future as and when the design of the program is improved upon. 2 The assessment deadlines here mean end of the day. Exact deadline time will vary for different timezones, but it will always be beyond end the day for the dates mentioned here. 3 Capstone schedule will be shared with those who opt for it, post 6th Module. 4 Assessment here could mean either a quiz or a project.			•			
Finance & Risk Analytics Released post Unsupervised Learning NA NA NA NA Supply Chain & Logistics Analytics Released post Unsupervised Learning NA			•	,		
13 Web & Social Media Analytics Released post Unsupervised Learning NA NA 14 Supply Chain & Logistics Analytics Released post Unsupervised Learning NA NA NOTES >> 1 This schedule might change in future as and when the design of the program is improved upon. 2 The assessment deadlines here mean end of the day. Exact deadline time will vary for different timezones, but it will always be beyond end the day for the dates mentioned here. 3 Capstone schedule will be shared with those who opt for it, post 6th Module. 4 Assessment here could mean either a quiz or a project.			•	· -		
Supply Chain & Logistics Analytics Released post Unsupervised Learning NA NA NA NA NOTES >>  This schedule might change in future as and when the design of the program is improved upon.  The assessment deadlines here mean end of the day. Exact deadline time will vary for different timezones, but it will always be beyond end the day for the dates mentioned here.  Capstone schedule will be shared with those who opt for it, post 6th Module.  Assessment here could mean either a quiz or a project.		•	•	· -	NA	NA
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The assessment deadlines here mean end of the day. Exact deadline time will vary for different timezones, but it will always be beyond end the day for the dates mentioned here.  Capstone schedule will be shared with those who opt for it, post 6th Module.  Assessment here could mean either a quiz or a project.	IOTES >>					
the day for the dates mentioned here.  Capstone schedule will be shared with those who opt for it, post 6th Module.  Assessment here could mean either a quiz or a project.	1					
4 Assessment here could mean either a quiz or a project.	2					
	3	Capstone schedule will be shared	with those who opt for it, post 6th Module.			
5* Hackathons are optional, non graded and fun learning competitions.	4	Assessment here could mean eith	ner a quiz or a project.			
	5*	Hackathons are optional, non gra	ded and fun learning competitions.			