







Weekly Learning Plan for CSMAD21 in blended mode		
Module convenor	Mr Miguel Angel Sanchez Razo	
Other key contributors	NA	
Week commencing	Monday 18th October, Week 4 of Autumn term 2021	
How this week relates to your module learning outcomes	During this week we will focus mainly on “The module aims to bring students up to an advanced level as regards the use of Python as programming language and to work proficiently with Python tools for data science. It contains a number of topics and practical work from programming tasks to data science applications in Python.”, especially in relation to identify and understand the Python Pandas data structures.	
Topics/themes covered this week	<ul style="list-style-type: none"> • Pandas. <ul style="list-style-type: none"> - Series and Dataframes - Indexing - Group By - Combining Dataframes - Time Series - Data Processing 	
Core lecture content		The screencasts to access in Blackboard covers the following: 1. Pandas.
Scheduled live interactive sessions		<ul style="list-style-type: none"> • No interactive session is scheduled for this week.
Activities, tasks, and discussion		<ul style="list-style-type: none"> • Review the lecture material of week 4.
Labs/practical sessions		<ul style="list-style-type: none"> • A practical session is schedule for this week (online and face to face, please review timetable). • Before the practical, please review week 4 Pandas. • Follow and solve the activities provided in Practical 3.
Independent study		<ul style="list-style-type: none"> • Chapter 6 to 11 of Thomas McKinney, Wes “Python for data analysis: data wrangling with Pandas, NumPy, and IPython”.
Formative/Summative Assessment		<ul style="list-style-type: none"> • Formative/summative activity scheduled for this week: <ul style="list-style-type: none"> ○ Practical 3(formative)