Courseware	Course Info	Progress	Discussion
EXAM 1	(100 points poss	iblo)	
			s thousands of panel data series from the World Bank database.
i, ilue oi r	aise, Failuas usi	ers carracces.	s tribusarius or parier data series from the World Bank database.
C	) True		
C	) False		
2. We can ir	mport data from	n Federal Rese	erve Economic Data (FRED) using pandas.io.data.
C	) True		
C	False		
3. Pandas c	an only be used	l to import da	ata from Yahoo Finance, Google Finance and FRED.
	) True		
C	) False		
1			
4. We can u	ise linear model	s in finance.	
C	) True		
C	False		
5. Yield cur	ve is known as t	he term struc	cture of interest rates.
C	) True		
C	) False		
	Preference Theo		market participants demand a premium for long-term investments in bonds vernment.
C	) True		
C	False		
7. Yield cur	ves can be norm	nal or inverted	d.
	) True		
C	) False		

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8. A stochastic process is stationary if it has a unit root.	
True	
False	
9. A linear regression can be implemented in a Matplotlib mod	ule.
True	
False	
10. A t-test is used to check if residuals are normally distributed	d.
☐ True	
False	
11. Durbin-Watson and Jarque-Bera tests are used to check the	e autocorrelation assumption.
○ True	
False	
12. U.S. potential output can be determined using a Hodrick-Pr	rescott filter.
True	
False	
13. The Federal Funds Rate indicated by the Taylor rule is not s equilibrium interest rate.	ensitive to the specification of the potential GDP and the
True	
False	
14. If the Durbin-Watson d statistic is 2, there is autocorrelation	٦.
☐ True	
False	
15. Outliers are usually identified visually via a graph.	
True	
False	

16. What influences an asset veturn? (Change all that apply)				
16. What influences an asset return? (Choose all that apply)				
Investors' confidence				
Inflation				
Interest rate changes				
Exchange rates				
17. What problems can occur with data? (Choose all that apply)				
Errors				
Selection bias				
Doesn't measure what we want				
Cannot be imported into Python				
18. Normal distribution is used in which of the following? (Choose all that apply)				
Value-at-Risk measurements				
Pricing options				
Portfolio allocation models				
Selection bias				
19. Which of the following is a symmetrical, bell-shaped distribution similar to the standard normal curve where, the higher the degrees of freedom, the closer the curve is to resembling the standard normal distribution with mean zero and standard deviation of one?				
O Log normal distribution				
Chi-squared distribution				
t distribution				
O F distribution				
20. Which of the following is the distribution of the sum of squared standard normal deviates?				
O Log normal distribution				
Chi-squared distribution				
t distribution				
O F distribution				

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Exam 1	Exam 1: Units 1 and 2   wqu613-0418	https://learn-edx.edlumina.com/courses/worldq			
	Skewness is an indicator for flatness and peakness	5.			
	Skewness can be positive, negative or zero.				
	The skewness equation is called the third moment	around the mean.			
22. WI	hich is of the following are assumptions of the Arbitrage F	Pricing Theory (APT)? (Choose all that apply)			
	Security returns are a function of a number of fact	ors.			
	There are sufficient securities so that firm-specific (idiosyncratic) risk can be diversified away				
	Well-functioning security markets do not allow for	persistent arbitrage opportunities			
23. WI	hich of the following sentences regarding the French-Fam	a model is false?			
	The French-Fama model is an extension of CAPM.				
	The French-Fama model started with the observat than the market as a whole.	ion that two classes of stocks have tended to do better			
	The French-Fama model is an extension of APT.				
	The parameters of the French-Fama model can be	estimated using a linear regression.			
24. WI	hich of the following rules are not true?				
	The variance of a constant is zero.				
	<ul> <li>Adding a constant value, c, to a random variable d (mean) increases by the same amount.</li> </ul>	oes not change the variance, because the expectation			
	The covariance of two constants, c and k, is zero.				
	All of the above rules are true.				
25. WI	nich of the following statements true? (Choose all that ap	ply)			
	The expectation of a constant, c, is the constant.				
	Multiplying a random variable by a constant value, constant.	c, multiplies the expected value or mean by the squared			
	The expected value or mean of the sum of two rar	dom variables is the sum of the means.			
	The covariance of two independent random variab	oles is zero.			
26. Vo	latility is measured using which of the following?				
	Mean				
	Standard deviation				
	Histogram				
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27. The Augmented Dickey-Fuller (ADF) test is used for what	t?
Testing the existence of a unit root	
Forecasting	
Seasonal adjustment	
<ul> <li>Testing cointegration</li> </ul>	
28. The Augmented Dickey-Fuller (ADF) test is implemented	in Python using what module?
Scikit learn	
Pandas	
Statsmodels	
Numpy	
29. The independent variable in a regression is also known a	as what?
explanatory variable, regressor, predictor or er	ror term
explanatory variable, regressor, predictor or ex	kogenous
endogenous, predicted, response or outcome	
stimulus, exogenous, covariate or disturbance	
30. A two-variable regression model can be implemented in	n which of the following programs?
Python, Excel	
Python, Word	
Python, PowerPoint	
Excel, Notepad	
31. Which of the following statements are correct? (Choose	all that apply)
Regression means a linear relation between the	e dependent and the independent variables
Regressions do not have residuals	
Regression analysis requires a database	
Regression analysis is used in finance	
32. The linear relation between GDP and money supply can	be implemented in which of the following?

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A two-variable regression	
A mean	
A variance	
A geometric mean	
33. A regression can be estimated using which of the follow	ving methods? (Choose all that apply)
Ordinary Least Squares (OLS) Method	
Maximum Likelihood Estimation (MLE)	
Generalized Method of Moments (GMM)	
	- U
34. An assumption is that the residuals from a regression for	ollow a:
Chi-squared distribution	
Cognormal distribution	
O Poisson distribution	
Normal distribution	
35. The Stats.linregress function from the Scipy module im	plements what?
A linear regression estimated by Principal Com	nponents Analysis
A linear regression estimated by Bayesian tech	nniques
A linear regression estimated by Ordinary Leas	st Squares (OLS) method
36. The Taylor rule established a linear connection between that apply)	n Federal Funds Rate and which of the following? (Choose all
The output gap	
Dow Jones	
The difference between the registered inflation	n and the desired inflation
Interest rate spread	
37. The output gap represents which of the following?	
The difference between the registered inflation	n and the desired inflation.
The difference between the registered unemp	loyment rate and the desired unemployment rate.
The difference between GDP and potential GD	P.
The difference between the nominal interest r	ate and the equilibrium interest rate.

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38. A monetary policy rule that stipulates how much the central barresponse to changes in inflation, output, or other economic conditions.				
Granger causality				
O Potential output				
Taylor rule				
Equilibrium interest rate				
39. Which of the following describes multicollinearity?				
Autocorrelation of residuals				
Constant variance	Constant variance			
Independent variables that are strongly correlated wi	th each other			
O Dependent variables				
40. Multicollinearity can be observed in which of the following situ	ations? (Choose all that apply)			
Small changes in the data cause wide swings in the pa	arameter estimates			
Coefficients may have very high standard errors and low significance levels				
Coefficients may have the "wrong" sign or implausible	e magnitude			
Final Check Save You have used 0 of 1 submissions				
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