<pre>import pandas import numpy import seabor import matplo from scipy.st import statsm</pre> Next, we proced	as np rn as sns otlib.pyplo tats import models.api ed by import	ot <b>as</b> plt t ks_2samp <b>as</b> sm ting the datas	set, which ir	ncludes hi	storical price				statistical comp		es. The data is	s reco
at a weekly free  [Code section 2  # LOADING THE  data = pd.rea data.head()  Start Date  0 End Date  1 NaN	2]  E DATA  ad_excel('d	data.xlsx')	Jnnamed: 2 NaN NaN	<b>Unname</b> N	ed: Unnam 3 aN N	<b>4</b> IaN	n <b>ed: Un</b> <b>5</b> NaN NaN	nnamed: 6 NaN NaN NG1	Jnnamed: 7 Ui NaN NaN EURUSD	nnamed: 8 U NaN NaN FXCTG10	Jnnamed: 9  NaN  NaN	Unna
2 NaN 3 NaN 4 Dates We then clean to the section 3 to the	the dataset t  ING  data.ilc	ast Price  X_LAST  to prepare it for a content of the content of t		Last Pri PX_LA	ST PX_LA	ice Last F IST PX_L	Price La	Comdty ast Price PX_LAST	Curncy Last Price PX_LAST	Index Last Price PX_LAST	NVDA US Equity  Last Price PX_LAST  o be removed.	SPX Last
1 2023 000 2023		XBTUSD Curncy 16602.63 16956.66	1266 1340	dex C 6.55 0 6.89 0	.3386 C	.2492 18	XAU Eurncy 324.02 365.69	NG1 Comdty 4.475 3.71 3.419	EURUSD Curncy 1.0705 1.0644 1.083	FXCTG10 Index  227.894  230.065	NVDA US Equity 14.614 14.859 16.899	38
3 000 4 2023 000 3) Analysis 3.1) Log return	rns	22591.84 23797.16 we begin the	1735 1694 e analysis by	.94 0	).4132 0	.3953 19	926.08 928.04 ns for the	3.174 3.109 various asse	1.0856 1.0868 et classes to cap	229.044 229.964 oture their price	17.839 20.365 e dynamics. Gi	39 40 ven t
diversity of associated analysis become analys	et classes in cause they a es of referen  4]  THE LOG DIF  f = pd.Data f['Date'] = ge(1, len(d	our dataset of our dataset our dataset of our dataset our datas	(cryptocurre pendent, a bsequent a sequent a s	encies, co llowing for nalysis.	mmodities, or comparisor	currencies, a	and equiti	ies), logarithr	mic returns are	particularly use	eful for the pur curns serve as	the
data_log_diffdata_	f.dropna(in f.set_index f.head() BTUSD Curnc 0.02110 0.20938 0.07753	nplace=True x('Date', in cy ETHEREUM 00 0.0 39 0.0	) nplace= <b>Tru</b> Mindex XR 057037 .118842 138964	Decide (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	0.154380 0.185583 0.068174	0.02258 0.02881 0.00304	y NG1 Co	omdty EURU 87474 81684 74355	SD Curncy FXC -0.005715 0.017324 0.002398	0.009481 -0.012949 0.008502	0.016626 0.128649 0.054133	0.00 0.02 -0.00
asset, and skev	eve computed compare the use the mea vness and ku	stribution of the log returns of and media urtosis, to prone the returns, res	of log retu Irns, our ob f their distri n to capture	jective is t ibutions, a e the cent oer unders	as they provi ral tendency standing of t	de insights i of returns, he chances	onal char nto the ce the stand of getting	entral tenden lard deviatior g returns high		kewness, and t e variability or r n respect to the	tail behaviour or risk associated e median samp	of the d with ole re
mean = remedian = std = ret skewness kurtosis	THE MOMENTS  = [] ata.columns col = data_log_ eturns.mean returns.me turns.std() = returns. = returns.	s[1:]: _diff[col] n() edian() ) .skew() .kurtosis()		N OF RETU	JRNS FOR EA	ACH ASSET						
data_returns data_returns data_returns	= pd.DataF set_index( Mean	'Skewness 'Kurtosis Frame(data_ ('Asset', i	ean, median, Deviation ': skewnes ': kurtos: returns) nplace=Tru Standard De	is}) ue) eviation		Kurtosis						
EURUSD Curnc FXCTG10 Inde NVDA US Equit	0.010235 y 0.014618 y 0.014273 y 0.004022 y -0.003614 y -0.000275 x 0.001087 y 0.022965	0.012231 0.000646 0.0009939 0.001763 -0.004321 -0.000375 0.002356 0.019728	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.076815 0.107196 0.119595 0.019845 0.100507 0.008186 0.007034 -	0.246451 - 0 2.396735 10 1.379447 15 0.370301 00 -0.217457 00 0.368204 00 0.862068 11 0.145994 00	0.173253 5.654137 0.823709 0.580429 0.387398 0.358835 0.674193						
The table above For measures of the sample period (0.0045).  Within the equipment of the sample period (0.0045).	e presents the of central tention iod. Bitcoin at ties asset class ative of the of mining. We	ne statistical indency, cryptonand Ethereum ass, NVIDIA dequity asset of believe the S	moments for ocurrencies In have mear lemonstrate class, as in S&P 500 ind	or the weeks exhibit his returns of the weeks high meaning lex, being	kly logarithm gher mean roof 0.0178 and ean and med ars, it has ou a broad mar	eturns comp I 0.0102, res ian returns o tperformed ket benchma	pared to the pectively comparabe the equity ark, to be	raditional ass , which signiful ple to cryptoc y market. Fur more repres	sets, suggesting ficantly exceed currencies. Howe thermore, it is intentional to the contative of the contat	those of gold ( ever, we do not nfluenced by it equities asset o	0.0040) and the consider NVI as strong associass.	he S& DIA t
instance, Bitcoi (0.0198). Tradit than currencies comparable to Regarding skew (2.3967) and C commodities, of Finally, kurtosis Ripple (10.1733	in and Ethere tional currences, show less we that of cryptowness, cryptowness, cryptowness, cryptowness, cryptowness, cryptowness, we ardano (1.37) or equities, we salues for contact and Cardano (2) and Cardano (3)	eum have starcies and gold variability that cocurrencies). cocurrencies early stand out which generall cryptocurrencies no (5.6541) early	ndard deviand	ations of 0 v standard rrencies, h er values o cularly hig ilder skew stantially l is behavio	.0684 and 0 I deviations, nighlighting to compared to h positive sk ness values arger than th ur, suggestin	.0768, respensively highlighting heir lower ristraditional attentional attentional attentional attentional attentional attention of the high a greater high attention of the hig	their role sk (again ssets, inc s charact c. itional ass	ignificantly he as stable, look as stable, look are not only dicating more teristic is not sets, indicating of extreme	igher than that ow-risk instrume considering NVI asymmetrical robserved to the ng heavier tails in return events, but the considering heavier tails in the considerin	of the S&P 500 ents. Equities, vents. Equities, vents, which shows the same extent in their return couth positive and sorth pos	o (0.0180) or gowhile inherentles was volatility of ions. For examin traditional conditions. And negative. The	old y risk f 0.06 nple, urrer again
tailed distribution outcomes.  In summary, cryclasses. These currencies, conductors.  3.3) Sharpe running the next step in calculated as the much return and the conductors.	on distinguis yptocurrencie findings high nmodities, ar ratio n our analysis	shes cryptocuses are characters are characters are characters are characters are characters are characters.	eterized by tinct behaviors the mouting the set over a rise	om tradition higher me iour of cry	ean returns, gratio for each	greater volates, positioning	ility, pron ng them a	ower kurtosis ounced skew as a unique as	values and thu vness, and heav sset class that o	s a lower properior tails relative differs significa	ensity for extre e to traditional ntly from tradi	asse itiona
# COMPUTING To data_sharpe = for col in data_set = constant = returns = mean = returns = std = returns = data_sharpe = data_sharpe	THE SHARPE  [] ata.columns col data_log_ eturns.mean turns.std() mean/std rpe.append(	RATIO (ASSO s[1:]: _diff[col] n() ) ({'Asset': 8	UMING RISH			ne})						
data_sharpe = da	Sharpe Ra  et  0.2606  x  0.1332	rame(data_s 'Asset', in atio	harpe)		. [							
XAU Curno NG1 Comdt EURUSD Curno FXCTG10 Inde NVDA US Equit SPX Inde As stated, the Sobserved for N	0.2026 y -0.0359 y -0.0335 x 0.1545 y 0.3571 x 0.2474 Sharpe ratio (VIDIA (0.357)	576 958 533 583 125 432 results provid	by Bitcoin (0	0.2607), th	ne S&P 500 (	(0.2474), an	d gold (0.	.2027). Desp	ite Bitcoin's rela	atively high Sha	arpe ratio of 0.	2607
which positions other asset class	s it as a comp sses. Ethereu p ratio is ma	petitive asset um (0.1332), iinly related to	in terms of Ripple (0.13	f risk-adjus 364), and cantly hig	sted returns, Cardano (0.1 her volatility	the rest of 193) all fall of cryptocu	the crypto below the rrencies,	ocurrencies of Sharpe ratio	exhibit significa	ntly smaller Sha assets such as	arpe ratios con the S&P 500 narpe ratio forn	mpar and
3.4) Correlat  We proceed by of cryptocurrer different assets more immediate	computing t ncies and tho s, ranging fro	ose of traditio om -1 (perfec	nal asset cl t negative c	lasses. Th	) to 1 (perfe	ct positive c	_	ghts into the	degree of linear	association be		urns
We proceed by of cryptocurrer different assets more immediate [Code section 7]  # COMPUTING 7]  correlation_n  # Create the ax = sns.heat  ax.set(xlabel ax.xaxis.tick	computing to noies and tho s, ranging from the context of the correction of the corr	ose of tradition of the structure of the	rix, 2f",  'Correlation	lasses. The correlation direction o	) to 1 (perfe	ct positive c	_	ghts into the	degree of linear	association be		urns
We proceed by of cryptocurrer different assets more immediate [Code section 7]  # COMPUTING 7]  correlation_n  # Create the ax = sns.heat	computing to nacies and the standard from the context of the corresponding to the context of the corresponding to	ata_log_different on the star of the star	rength and  X f.corr()  rix, 2f",  'Correlation  t')	ation'})	ndth Curned of these corrections of the second of the seco	ct positive control pos	orrelation	ghts into the o	degree of linear	association be		urns
We proceed by of cryptocurrer different assets more immediated.  [Code section 7]  # COMPUTING 7]  correlation_n  # Create the ax = sns.heat  ax.set(xlabel ax.xaxis.tick plt.xticks(round)  XBTUSD Current Show()  XBTUSD Current Show()	computing to ncies and the standard from the context of the corresponding to the context of the	ose of tradition of the structure of the	mal asset classes to the throught and asset classes throught and a	Acurnos (ation of correlation of cor	ndty Curney  ndty Curney  ndty Curney  13 0.03 0.1  14 -0.09 0.0  15 -0.05 0.1  25 1.00 0.2  25 1.00 0.2	t positive content of the posi	orrelation	Correlation (Correlation). We will dis	degree of linear	association be		urns
We proceed by of cryptocurrent different assets more immediated.  [Code section 7]  # COMPUTING 7]  correlation_n  # Create the ax = sns.heat  ax.set(xlabel ax.xaxis.tick plt.xticks(round)  XBTUSD Current current computational current cryptocurrency thesis that cryptocurrency the cryptocurrency thesis that cryptocurrency thesis that cryptocurrency thesis that cryptocurrency thesis that cryptocurrency the cryptocurren	computing to ncies and the series are lated technological and the series are related to the series are related to the series are related to the series are related at	ata_log_dif- cation_mat rue, fmt=" coolwarm", ws={'label' el=""') , ha = 'lef- 0.79  0.50 1.00  0.46 0.46  1.00 0.62  0.63 0.02  -0.04 -0.12  0.09 0.11  0.14 0.08  -0.09 0.20  0.09 0.22  0.20  ap reveals that a-asset correctly courrenced as observed an ologies, as as constitute as a seconstitute ase	inal asset classed in the pative of rength and services of rength and services of rength and services of the current and services as explaint and services as explaint and services of the current and	lasses. The correlation direction of directi	to 1 (perfect of these corrections of the corrections of t	ct positive corelations.  ct positive corelations.  ct positive corelations.  ct positive corelations.  ct positive correlations.	orrelation  orrelation  1.0  - 0.8  - 0.6  - 0.4  - 0.2  - 0.0  orrelation	elves and exhantity). Crypton Ethereum, wh	nibit weak correlated behavior (this currencies appearich can likely behavior behavior)	association be as a heat map, as also poses a ear to be uncorrect attributed to i	uities, commode challenge for related with go	dities regresold a tin
We proceed by of cryptocurrer different assets more immediated.  [Code section 7]  # COMPUTING 7]  correlation_n  # Create the ax = sns.heated  ax.set(xlabel) ax.xaxis.tick plt.xticks(round)  XBTUSD Current Show()  XAD Current Show()  XAD Current Show()  XAU Current Show()  Compute Show()  XAU Current Show()	computing to noise and the second an	ata_log_dif- elation_mat frue, fmt=" coolwarm", ws={'label' el="") ha = 'lef-  0.79 0.50 1.00 0.46 0.46 1.00 0.62 0.63 0.02 -0.04 -0.12 0.09 0.11 0.14 0.08 -0.09 0.20 0.09 0.11 0.14 0.08 -0.09 0.11 0.14 0.08 -0.09 0.11 0.14 0.08 -0.09 0.11 0.14 0.08 -0.09 0.11 0.14 0.08 -0.09 0.11 0.14 0.08 -0.09 0.11 0.14 0.08 -0.09 0.11 0.14 0.08 -0.09 0.11 0.14 0.08 -0.09 0.11 0.14 0.08 -0.09 0.11 0.14 0.11	nal asset of the regative of the cryptocurrol and control and currol and curr	ation'}) ation'}) ation'}) ation'}) ation'}) ation'}) ation'}) ation'}) ation'}) ation' ation	to 1 (perfect of these corrections at the tocomorphic that the two sees to feet to fee	ct positive corelations.  celations.  cela	orrelation  orrelation  1.0  1.0  - 0.8  - 0.6  - 0.4  - 0.2  - 0.0  orrelation  orrelatio	elves and exhanted in their mark arity). Cryptod thereum, who ween cryptod on the same on differs from the same on differs from	degree of linear splay the matrix splay to the content of the content o	association be as a heat map,  lations with equals also poses a lear to be uncornerated to its additional assessaluates whether aluates aluates whether aluates whether aluates whether aluates whether aluates whether aluates whether aluates aluates whether aluates aluates whether aluates whether aluates aluate	uities, common challenge for related with go its involvement t classes suppose the classes. For two samples are two samples ar	dities regresold a tin port to a reference
We proceed by of cryptocurrent different assets more immediate [Code section 7]  # COMPUTING 7]  correlation_n  # Create the ax = sns.heat  ax.set(xlabel ax.xaxis.tick plt.xticks(round)  XBTUSD Cure  ETHEREUM In XRP Cure  XAD Cure  XAU	computing to ncies and those incies and those incies and those incies and those incies and those incies. It is a manufacture incies. It is a m	ose of tradition of the strong	nal asset classed to negative of rength and	lasses. The correlation direction of the correlation of the correlatio	to 1 (perfect of these corrections  at the second	et positive content de la constant d	orrelation  orrelation  1.0  1.0  - 0.8  - 0.6  - 0.4  - 0.2  - 0.0  orrelation  orrelatio	elves and exhibiting and the results in their mark arity). Crypton thereum, who ween crypton on the same on differs from procurrencies	degree of linear splay the matrix splay to the content of the content o	association be as a heat map, as a heat map, as a heat map, as a large and as a l	uities, common challenge for related with go its involvement t classes suppose the classes. For two samples are two samples ar	dities regresold a tin port to a refer this are
We proceed by of cryptocurrent different assets more immediated.  [Code section 7]  # COMPUTING 7]  correlation_n  # Create the ax = sns.heat  ax.set(xlabel ax.xaxis.tick) plt.sticks(replt.sticks(replt.show())  XBTUSD Cure  ETHEREUM In XAD Cure  XAD Cure  XAD Cure  XAU Cure	computing to ncies and those, ranging from the contract of the statis and those, ranging from the contract of the statis and the contract of the cont	ata_log_dif- ata_l	nal asset clatine gative of rength and state of the cryptocurrent state of	lasses. The correlation of direction of dire	to 1 (perfect of these corrections these corrections are the second as a secon	et positive content de la constant d	orrelation  orrelation  1.0  1.0  - 0.8  - 0.6  - 0.4  - 0.2  - 0.0  orrelation  orrelatio	elves and exhibiting and the results in their mark arity). Crypton thereum, who ween crypton on the same on differs from procurrencies	nibit weak correlated behavior (this currencies appeared behavior) and the currencies and the currency are currency as a currency and the currency are currency as a currency are currency as a currency and the currency are currency as a currency are currency as	association be as a heat map, as a heat map, as a heat map, as a large and as a l	uities, common challenge for related with go its involvement t classes suppose the classes. For two samples are two samples ar	dities regresold and and arthis are
We proceed by of cryptocurrend different assets more immediated. [Code section 7]  # COMPUTING 7]  correlation_n # Create the ax = sns.heat ax.set(xlabel ax.xaxis.tickplt.xticks(round plt.show()  XBTUSD Currencies. This models, as usin traditional currency thesis that cryptocurrency thesis that cryptocurrency thesis that cryptocurrency the same of the	computing to acies and the second second enderstand and the second enderstand and the second enderstand and the second enderstand and the statis and the statis and the statis are lated technology of the statis and the statis are lated technology of the statis and the statis are lated technology of the statis and the statis are lated technology of the statis and the statis are lated technology of th	ase of tradition of the strong	nal asset of the trength and asset of the trength asset of the trength asset of the trength and	lasses. The correlation direction of the correlation of the correlatio	to 1 (perfect of these correct of the thes	ct positive of elations.  Charles Ethick of the control of the correlation and the cor	ata_log_  orrelation  1.0  1.0  0.8  0.6  0.4  0.2  0.0  1.0  1.0  1.0  1.0  1.0  1.0	elves and exhants in the intermediate of Bitcoin's non-parameter of differs from ptocurrencies of the intermediate of the inte	nibit weak correlated behavior (thicurrencies appeaich can likely becurrencies and the distribution.  In those of tradition, as a separate columns [i+1]]  differences between the intra-asset columns are the intra-asset columns as a separate columns are the intra-asset columns as a separate columns as a sepa	association be as a heat map, as a heat map, as a heat map, as also poses a sear to be uncorrectly attributed to a raditional asset class and distinct as and distinct as and distinct as a hypothesis is relation observation.	uities, common challenge for related with go its involvement t classes supposes the classes. For two samples asset class.	dities regression and the second and
We proceed by of cryptocurrer different assets more immediated.  [Code section 7]  # COMPUTING 7]  correlation 10  # Create the ax = sns.head ax = sns.head ax = sns.head ax = sns.head ax.xaxis.tickplt.xticks(rcplt.xticks(rcplt.xticks(rcplt.xticks(rcplt.xticks(rcplt.xticks))  XBTUSD Currencies. This models, as usin traditional curre cryptocurrency thesis that cryptocurre	computing to dicies and the construction of the statis and the computation of the computa	pse of tradition of the strong	anal asset of the trength and asset of the trength asset of the trength asset of the trength and the trength asset of th	ation'}  ation'  a	to 1 (perfect of these corrections  a 0.03 0.1  a 0.08 0.2  a 0.09 0.6  b 0.16 0.1  a 1.0.13 0.6  a 1.0.27 0.6  a test to contrables would by but position by but positions by b	the positive of the positive o	orrelation  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.	elves and exhant in their mark arity). Cryptod in the reum, who ween cryptod in of Bitcoin's a non-parame on the same of the s	dibit weak correlated behavior (thicurrencies appeared by the matrix of the control of the contr	lations with equals as a heat map,  lations with equals also poses a sear to be uncorrect attributed to iteraditional asset class aluates whether and distinct as and distinct as and distinct as and distinct as arrectly procurrencies.  In the second of the assurbation observations are the assurbation of the assurbation observations are the second of the assurbation observations are the second of the assurbation of the assurbatio	uities, common challenge for related with go its involvement t classes suppose to the classes. For two samples asset class.  Trencies (representation of the control of the	dities regression de la contract de
We proceed by of cryptocurrer different assets more immediated.  [Code section 7	computing the disease and the	preveals that a a asset correctly to currencial and observed anologies, as a constitute and anologies, as a constitute anologies, and anologies, as a constitute and anologies, as a constitute and anologies, as a constitute anologies, as a constitute anologies, as a constitute anologies, as a constitute anologies, anologies, as a constitute anologies, as	anal asset of the anal asset o	ation's)  ation's)  ation's)  ation's)  ation's)  ation's)  ation's)  ation's  ation	the second state of the se	the positive of the positive o	orrelation  orrela	elves and exhibit discoop, Gold, Natural evidence on the same on differs from procurrencies and the high for both E class from the S&P 500 (1). As mention discoop, Gold, Natural exhibit	dibit weak correlated by the matrix of the correlated by the matrix of the correlated by the correlate	association be as a heat map, as a heat map, as a heat map, as a heat map, as a heat obe uncorrect attributed to a raditional asset class and distinct as and distinct as and distinct as a hypothesis is return distributed to a receive the second of the assurbuted to the second of the second	uities, common challenge for related with grits involvement t classes supposes the classes. For two samples asset class.  Set classes. For two samples and the corresponding regarding and the corresponding to the following the	dities regression dities and the second distribution of the second distribu
We proceed by of cryptocurrer different assets more immediated assets more immediated for the process of the pr	computing the noise and the strength of the statis and the strong intra	preveals that a a a set of the Kolmogorial to be the Kolmogorial t	anal asset of the	ation'})  ation' and ation'	the second of these corrections as set class. The Kolmogo chat the two sets as set class. The Kolmogo chat the two sets as set class. The Kolmogo chat the two sets as set class. The Kolmogo chat the two sets as set class. The Kolmogo chat the two sets as set class. The Kolmogo chat the two sets as set class. The Kolmogo chat the two sets as set class. The Kolmogo chat the two sets as sets	ct positive contents of the contents of the correlations.  Character provides a content of the correlation o	orrelation  orrela	elves and exhanting the week of Bitcoin's anon-parameter on the same on differs from procurrencies and the high	dibit weak correlated by the matrix of the correlated by the matrix of the correlated by the correlate	lations with equisal and posses a lear to be uncorrected and distinct as and the saur cryptocurrencies.  In a second of the assuration observation observation observation observation of the assuration	uities, common challenge for related with grits involvement t classes supposes the classes. For two samples asset class.  Set classes. For two samples and the corresponding regarding and the corresponding to the following the	dities regression dities and the second distribution of the second distribu
We proceed by of cryptocurrer different assets more immediated [Code section 2] and asset class and asset classes and as	computing to clear and the control of the statis and the control of the control o	acteristics as a stical test), full laces to constitute a stical test), full l	anal asset of the	ation's)  ation's  ation's	to 1 (perfect of these correct of the these	the positive of the position and the position and the position of the position and the position of the positio	orrelation  orrela	diff [data  diff [	differences between columns [i+1]]  differences between columns [i+1]]  columns [i+1]]  differences between columns [i+1]]  columns [i+1]]	lations with equisal and posses a lear to be uncorrected and distinct as and the saur cryptocurrencies.  In a second of the assuration observation observation observation observation of the assuration	uities, common challenge for related with grits involvement t classes supposes the classes. For two samples asset class.  Set classes. For two samples and the corresponding regarding and the corresponding to the following the	dities regression on the second strength and the secon
We proceed by of cryptocurrer different assets more immediated.  [Code section 7:	computing to dicies and the computation of the comp	accolumns [1] ac	anal asset of the anal asset o	ation'}  ation'  atio	to 1 (perfect of the second of	celepositive contents of the c	orrelation  orrela	diff [data  diff [	differences better to reject the reduction between committed to the reduction between committed to the control of the control	lations with equisal and posses a lear to be uncorrected and distinct as and the saur cryptocurrencies.  In a second of the assuration observation observation observation observation of the assuration	uities, common challenge for related with grits involvement t classes supposes the classes. For two samples asset class.  Set classes. For two samples and the corresponding regarding and the corresponding to the following the	dities regression dities and the second distribution of the second distribu
We proceed by of cryptocurrer different assets more immediated assets more immediated assets and asset of assets and asset of assets as a service as	computing to decise and the control of the control	asset of tradition of the state	anal asset classes to the regards and asset classes to the regards and asset classes.  A	ation'}  ation'  atio	10   1   1   1   1   1   1   1   1   1	to positive of the positive of	orrelation  orrela	elistributional irical evidence in differs from the same in differs from tocurrencies and the same to differs from	differences better to reject the replay the matrix distribution and the columns [i+1]]  differences better to reject the replay the matrix distribution and the columns [i+1]]  differences better to reject the replay the returns with the extrict stribution. In those of tradition and first cure atting that Bitcoin and the columns [i+1]]  stic Probability  O.139401  O.905562  O.130761  O.139401  O.905562  O.130761  O.139401  O.905562  O.130761  O.139401  O.905562  O.130761  O.139401	lations with equisal and posses a lear to be uncorrected and distinct as and the saur cryptocurrencies.  In a second of the assuration observation observation observation observation of the assuration	uities, common challenge for related with grits involvement t classes supposes the classes. For two samples asset class.  Set classes. For two samples and the corresponding regarding and the corresponding to the following the	dities regression of the second of the secon
We proceed by of cryptocursers more immediated in the control of t	computing to decise and the state of the atmap of the atm	ase of tradition of the property of the kolmogon of the kolmog	mal asset classes in the register of the correction of the cryptocurrent of the results and according to the results according to the results and according to the results and according to the results according to the	ation's) ation's ation's) ation's ation	to 1 (perfect of these control of these control of these control of these control of the control	tropositive celevitions.  tropositive celevi	orrelation  orrela	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	differences between control of the c	association be as a heat map, as a heat map, as a heat map, as a heat map, as a heat observed as a served by the asset of other asset and distinct as and distinct as a heat map, as a heat of the asset of the served by the asset of the asset of the asset of the beat	uities, common challenge for related with grits involvement t classes. For two samples are two samples are the corresponding to the cor	dities the second of the secon
we proceed by of cryetocurses of the section of the	computing the conservation of the stand of t	are of tradition of the state o	anal asset clater and a	ation's) ation's) ation's) ation's ati	1	televen of the that there is distribution as a separal of 1% (p-value of that there is distribution as a separal of 1% (p-value of that there is distribution as a separal of 1% (p-value of that there is distribution as a separal of 1% (p-value of that there is distribution as a separal of 1% (p-value of that there is distribution as a separal of 1% (p-value of that there is distribution as a separal of 1% (p-value of that there is distribution as a separal of 1% (p-value of that there is distribution as a separal of 1% (p-value of that there is distribution as a separal of 1% (p-value of that there is distribution as a separal of 1% (p-value of that there is distribution as a separal of 1% (p-value of that there is distribution as a separal of 1% (p-value of that there is distribution as a separal of 1% (p-value of that there is distribution as a separal of 1% (p-value of that there is distribution of 1% (p-	orrelation  orrela	Lipha F-Stati  Cardanol Maturaditional material disconsisting the distinct of the material disconsisting the material disconsisting the distinct of the material disconsisting the material discons	differences between control of the c	lations with equal association be association be as a heat map, and a set of the association and asset classociation asset classociation asset classociation observation observation observation observation observation observation of the association observation observatio	uities, common challenge for related with get its involvement t classes supposes the classes. For each classes seek (hence resset class.  The compared for name to the corresponding the corresponding to the corresponding	dities the strength of the str
We proceed by of cryotocare in the common of	computing the computation of the control of the con	artion MATEL  artion MATEL  artion mat  artion  artion	### ### ### ### ### ### ### ### ### ##	ation '})  ation'})  ation'	1	to positive celestions.  The positive celest	orrelation  orrela	Lipha F-Stati  Cardanol Maturaditional material disconsisting the distinct of the material disconsisting the material disconsisting the distinct of the material disconsisting the material discons	differences better behavior (thicurencies and tradition between of thintra-asset colored previously, stice of the correlation of the correlation between of the correlation between of the correlation between of the correlation between of the correlation of the correlation between of the correlation of the correlati	lations with equal association be association be as a heat map, and a set of the association and asset classociation asset classociation asset classociation observation observation observation observation observation observation of the association observation observatio	uities, common challenge for related with get its involvement t classes supposes the classes. For each classes seek (hence resset class.  The compared for name to the corresponding the corresponding to the corresponding	dities the strength of the str
We proceed by of cryotecury of different and set of the commentation of the commentati	compating the compating the case and the cas	accolumns [1]  accolu	### ### ### ### ### ### ### ### ### ##	ation   3   1   1   1   1   1   1   1   1   1	to 1 (perfect of these control of these control of these control of these control of the control	tet positive celetations.  The positive celetati	## A 1.00	Lipha F-Stati  Cardanol Maturaditional material disconsisting the distinct of the material disconsisting the material disconsisting the distinct of the material disconsisting the material discons	differences better the currencies and term intra-asset continuity, the null evidence in favoration between continuity, the null evidence in the favoration of the continuity, the null evidence in the con	lations with equal association be association be as a heat map, and a set of the association and asset classociation asset classociation asset classociation observation observation observation observation observation observation of the association observation observatio	uities, common challenge for challenge for related with grits involvement t classes supposed to the control of	dities the second of the secon
We proceed by We proceed by We cryptoeur green in the search of the sear	comesuning to come and the comes and the content of	accolumns [1]  accolu	### ### ### ### ### ### ### ### ### ##	ation's)  ation's  ation's)  ation's  ation's)  ation's  ation's	to 1 (perfect of these correct of the correct of the correct of these correct of the corr	Approved the distribution of the relation of t	tions between a consistent and are asset alue: 3.77 and are alue: 3.	distributional direct with the high the same on the sa	differences bet et the continuous process and th	ween cryptocus as a for observational asset class aluates whether as aluates whether as aluates whether as a heat map,  ween cryptocus as a heat map,  ween cryptocus as a heat map,  for of the assumand distinct as a heat map,  and the same of the beat and distinct as a heat map,  as a see. Specificates, and the S&P solain the behavior of the see and an alusted the second of the beat an alusted the second of the second	uities, common challenge for related with grits involvement to classes. For the control of the c	dities a section of the section of t