# LATEX Tables for Bitcoin Mining Stock Project

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# 1 Summary Statistics

#### 1.1 Nominal Returns

Table 1: Summary Statistics for the Final Monthly Dataset. Asset nominal returns and growth rates are all annualized and measured in percentage units. Table generated with the stargazer R package (Hlavac, 2022).

Statistic	N	Mean	St. Dev.	Min	Max
INF	34	4.98	3.73	-0.08	14.89
RF	34	3.28	1.06	1.28	4.80
BTC	34	17.06	216.18	-569.18	435.21
MARA	34	-12.26	488.88	-875.59	1,066.74
CLSK	34	6.15	408.06	-774.01	877.12
RIOT	34	-43.01	397.85	-883.32	737.94
CIFR	34	-34.71	382.84	-687.70	914.57
HUT	34	-35.34	422.07	-781.10	984.05
BTDR	34	-16.23	354.46	-1,136.20	987.13
SPY	34	7.96	63.55	-116.40	105.71
Hashrate	34	63.36	62.04	-64.58	227.35
Difficulty	34	62.54	55.61	-56.53	198.74

#### 1.2 Real Returns

Table 2: Summary Statistics for the Final Monthly Dataset. Asset real returns and growth rates are all annualized and measured in percentage units. Table generated with the stargazer R package (Hlavac, 2022).

Statistic	N	Mean	St. Dev.	Min	Max
RF	34	-1.482	4.007	-10.222	4.410
BTC	34	13.582	202.553	-508.382	408.305
MARA	34	-12.762	468.092	-851.841	1,067.647
CLSK	34	2.224	385.115	-741.655	828.001
RIOT	34	-42.548	378.766	-845.710	689.131
CIFR	34	-33.544	363.952	-611.544	855.476
HUT	34	-35.048	400.450	-738.850	920.908
BTDR	34	-20.634	346.203	-1,126.466	960.393
SPY	34	3.290	61.213	-115.682	105.868
Hashrate	34	63.363	62.044	-64.583	227.352
Difficulty	34	62.536	55.613	-56.532	198.738

#### 1.3 Excess Returns

Table 3: Summary Statistics for the Final Monthly Dataset. Asset excess returns and growth rates are all annualized and measured in percentage units. Table generated with the stargazer R package (Hlavac, 2022).

Statistic	N	Mean	St. Dev.	Min	Max
BTC	34	15.064	201.395	-498.161	409.336
MARA	34	-11.280	467.302	-852.552	1,064.672
CLSK	34	3.706	384.688	-739.470	829.032
RIOT	34	-41.067	377.846	-843.524	691.630
CIFR	34	-32.063	362.631	-601.323	857.974
HUT	34	-33.566	399.714	-739.560	923.406
BTDR	34	-19.152	346.462	-1,130.279	959.196
SPY	34	4.772	60.446	-114.656	102.892
Hashrate	34	63.363	62.044	-64.583	227.352
Difficulty	34	62.536	55.613	-56.532	198.738

## 2 Model Results

## 2.1 Marathon Digital Holdings (MARA)

Table 4: Factor Model Results for Marathon Digital Holdings (MARA). Table generated with the stargazer R package (Hlavac, 2022).

	$Dependent\ variable:$							
	MARA							
	(1)	(2)	(3)	(4)	(5)			
SPY	5.098*** (1.019)	2.480** (0.967)	2.524** (0.988)	2.430** (0.986)	2.490** (0.987)			
BTC		1.336*** (0.284)	1.298*** (0.307)	1.367*** (0.296)	1.282*** (0.307)			
Hashrate			0.321 (0.881)		1.287 (1.275)			
Difficulty				-0.431 (0.940)	-1.427 (1.362)			
Constant	-52.836 $(64.279)$	-54.798 (49.899)	-74.819 $(74.696)$	-28.000 (77.322)	-46.301 (79.391)			
Observations $R^2$ Adjusted $R^2$	34 0.439 0.422	34 0.673 0.651	34 0.674 0.641	34 0.675 0.642	34 0.686 0.643			

Note:

## 2.2 Cleanspark (CLSK)

Table 5: Factor Model Results for Cleanspark (CLSK). Table generated with the stargazer R package (Hlavac, 2022).

$Dependent\ variable:$								
	CLSK							
(1)	(2)	(3)	(4)	(5)				
3.387*** (0.964)	0.980 (0.934)	0.967 $(0.956)$	0.945 $(0.954)$	0.956 $(0.971)$				
	1.229*** (0.275)	1.240*** (0.298)	1.250*** (0.286)	1.235*** (0.302)				
		-0.091 $(0.852)$		0.230 $(1.254)$				
			-0.296 (0.910)	-0.475 (1.340)				
-20.804 $(60.865)$	-22.608 $(48.203)$	-16.912 (72.302)	-4.155 (74.822)	-7.427 (78.118)				
34 0.278 0.256	34 0.561 0.533	34 0.562 0.518	34 0.563 0.519	34 0.563 0.503				
	3.387*** (0.964) -20.804 (60.865) 34 0.278	$\begin{array}{cccc} (1) & (2) \\ 3.387^{***} & 0.980 \\ (0.964) & (0.934) \\ & & & \\ 1.229^{***} \\ & & & \\ (0.275) \\ & & & \\ & $	CLSK $(1) \qquad (2) \qquad (3)$ $3.387^{***} \qquad 0.980 \qquad 0.967$ $(0.964) \qquad (0.934) \qquad (0.956)$ $1.229^{***} \qquad 1.240^{***}$ $(0.275) \qquad (0.298)$ $-0.091$ $(0.852)$ $-20.804 \qquad -22.608 \qquad -16.912$ $(60.865) \qquad (48.203) \qquad (72.302)$ $34 \qquad 34 \qquad 34$ $0.278 \qquad 0.561 \qquad 0.562$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				

Note:

## 2.3 Riot Blockchain (RIOT)

Table 6: Factor Model Results for Riot Blockchain (RIOT). Table generated with the stargazer R package (Hlavac, 2022).

	$Dependent\ variable:$								
		RIOT							
	(1)	(2)	(3)	(4)	(5)				
SPY	3.464*** (0.922)	1.439 (0.956)	1.439 (0.979)	1.394 (0.975)	1.419 (0.990)				
BTC	(0.012)	1.033*** (0.281)	1.034*** (0.305)	1.061*** (0.292)	1.025*** (0.308)				
Hashrate			-0.005 $(0.872)$		0.547 $(1.279)$				
Difficulty				-0.392 (0.930)	-0.815 (1.367)				
Constant	-70.581 (58.183)	-72.098 (49.326)	-71.758 $(74.000)$	-47.703 (76.474)	-55.472 (79.639)				
Observations $R^2$ Adjusted $R^2$	34 0.306 0.284	34 0.517 0.486	34 0.517 0.469	34 0.520 0.472	34 0.523 0.457				

Note:

## 2.4 Cipher Mining (CIFR)

Table 7: Factor Model Results for Cipher Mining (CIFR). Table generated with the stargazer R package (Hlavac, 2022).

	$Dependent\ variable:$								
		CIFR							
	(1)	(2)	(3)	(4)	(5)				
SPY	2.382**	0.433	0.395	0.326	0.359				
	(0.978)	(1.053)	(1.077)	(1.062)	(1.077)				
BTC		0.995***	1.029***	1.061***	1.013***				
		(0.309)	(0.335)	(0.319)	(0.335)				
Hashrate			-0.283		0.724				
			(0.959)		(1.391)				
Difficulty				-0.926	-1.486				
				(1.013)	(1.487)				
Constant	-53.669	-55.129	-37.505	2.498	-7.798				
	(61.736)	(54.323)	(81.380)	(83.318)	(86.635)				
Observations	34	34	34	34	34				
$R^2$	0.156	0.367	0.369	0.384	0.390				
Adjusted $\mathbb{R}^2$	0.130	0.326	0.306	0.323	0.306				

Note:

# 2.5 Hut 8 Mining (HUT)

Table 8: Factor Model Results for Hut 8 Mining (HUT). Table generated with the stargazer R package (Hlavac, 2022).

	$Dependent\ variable:$									
		HUT								
	(1)	(2)	(3)	(4)	(5)					
SPY	3.537*** (0.994)	0.866 (0.911)	1.018 (0.905)	0.835 (0.931)	0.961 $(0.864)$					
BTC		1.364*** (0.268)	1.229*** (0.282)	1.383*** (0.279)	1.203*** (0.269)					
Hashrate			1.111 (0.807)		2.713** (1.116)					
Difficulty				-0.265 (0.888)	$-2.365^*$ (1.193)					
Constant	-63.490 $(62.714)$	-65.491 (47.023)	$-134.821^*$ $(68.414)$	-48.980 (73.011)	-87.552 $(69.516)$					
Observations	34	34	34	34	34					
$R^2$ Adjusted $R^2$	$0.284 \\ 0.261$	$0.610 \\ 0.585$	$0.633 \\ 0.596$	$0.611 \\ 0.572$	$0.677 \\ 0.632$					

Note:

# 2.6 Bitdeer (BTDR)

Table 9: Factor Model Results for Bitdeer (BTDR). Table generated with the stargazer R package (Hlavac, 2022).

	$Dependent\ variable:$								
		BTDR							
	(1)	(2)	(3)	(4)	(5)				
SPY	1.425 (0.953)	2.298* (1.153)	2.248* (1.178)	2.336* (1.178)	2.278* (1.187)				
BTC		-0.446 (0.339)	-0.401 (0.367)	-0.469 (0.353)	-0.387 $(0.369)$				
Hashrate			-0.372 (1.050)		-1.241 (1.532)				
Difficulty				0.322 (1.123)	1.282 (1.638)				
Constant	-27.578 (60.163)	-26.924 $(59.491)$	-3.717 (89.064)	-46.979 (92.379)	-29.345 (95.433)				
Observations $R^2$ Adjusted $R^2$	34 0.065 0.036	34 0.115 0.058	34 0.118 0.030	34 0.117 0.029	34 0.137 0.018				
Notor	<u> </u>	<u> </u>	*n <0.1	· **n <0.05.	**** < 0.01				

Note: