

### 7.3.2 Niðurstöður marktækniþrófunar

Cd						
	HE-neyðarlosun	HE-17	HE-stöðvarhús	Nesjavellir	Svartsengi	Bláfjöll
Mean	0,047666667	0,036833333	0,05195	0,014027273	0,041883333	0,06865
Variance	1,63633E-05	4,32533E-05	0,000241783	2,32162E-05	0,00063723	0,001128125
Observations	3	3	8	11	6	2
Pooled Variance	0,000386951	0,000404877	0,000352576	0,000123662	0,000719046	
Hypothesized Mean Difference	0	0	0	0	0	
df	3	3	8	11	6	
t Stat	-1,17	-1,73	-1,12	-6,39	-1,22	
P(T<=t) one-tail	0,16	0,09	0,15	0,00	0,13	
t Critical one-tail	2,35	2,35	1,86	1,80	1,94	
t-Test: Two-Sample Assuming Equal Variances						
Marktækur munur á styrk miðað við Bláfjöll	nei	nei	nei	já	nei	

Hg						
	HE-neyðarlosun	HE-17	HE-stöðvarhús	Nesjavellir	Svartsengi	Bláfjöll
Mean	0,107	0,064	0,139	0,470	0,227	0,158
Variance	0,000	0,000	0,009	0,034	0,015	0,007
Observations	3	3	8	10	6	2
Pooled Variance	0,00247	0,00247	0,00898	0,03134	0,01406	
Hypothesized Mean Difference	0	0	0	0	0	
df	3	3	8	10	6	
t Stat	-1,121	-2,083	-0,257	2,270	0,707	
P(T<=t) one-tail	0,172	0,064	0,402	0,023	0,253	
t Critical one-tail	2,353	2,353	1,860	1,812	1,943	
t-Test: Two-Sample Assuming Equal Variances						
Marktækur munur á styrk miðað við Bláfjöll	nei	nei	nei	já	nei	

Mo						
	HE-neyðarlosun	HE-17	HE-stöðvarhús	Nesjavellir	Svartsengi	Bláfjöll
Mean	0,212	0,279	0,335	0,363	0,314	0,216
Variance	0,000	0,004	0,011	0,017	0,014	0,008
Observations	3	3	8	10	6	2
Pooled Variance	0,003	0,005	0,010	0,016	0,013	
Hypothesized Mean Difference	0	0	0	0	0	
df	3	3	8	10	6	
t Stat	-0,081	0,959	1,483	1,505	1,047	
P(T<=t) one-tail	0,470	0,204	0,088	0,082	0,168	
t Critical one-tail	2,353	2,353	1,860	1,812	1,943	
t-Test: Two-Sample Assuming Equal Variances						
Marktækur munur á styrk miðað við Bláfjöll	nei	nei	nei	nei	nei	

As						
	HE-neyðarlosun	HE-17	HE-stöðvarhús	Nesjavellir	Svartsengi	Bláfjöll
Mean	0,67	2,03	0,25	0,60	0,41	0,34
Variance	0,26	1,22	0,03	0,91	0,08	0,11
Observations	3	3	8	10	6	2
Pooled Variance	0,21	0,85	0,04	0,83	0,08	
Hypothesized Mean Difference	0	0	0	0	0	
df	3	3	8	10	6	
t Stat	0,801	2,008	-0,543	0,366	0,309	
P(T<=t) one-tail	0,241	0,069	0,301	0,361	0,384	
t Critical one-tail	2,353	2,353	1,860	1,812	1,943	
t-Test: Two-Sample Assuming Equal Variances						
Marktækur munur á styrk miðað við Bláfjöll	nei	nei	nei	nei	nei	

Li						
	HE-neyðarlosun	HE-17	HE-stöðvarhús	Nesjavellir	Svartsengi	Bláfjöll
Mean	0,99	1,41	1,60	0,57	1,13	1,79
Variance	0,12	0,35	0,79	0,03	0,76	0,01
Observations	3	3	8	10	6	2
Pooled Variance	0,08	0,24	0,70	0,02	0,64	
Hypothesized Mean Difference	0	0	0	0	0	
df	3	3	8	10	6	
t Stat	-3,014	-0,837	-0,285	-10,056	-1,008	
P(T<=t) one-tail	0,029	0,232	0,391	0,000	0,176	
t Critical one-tail	2,353	2,353	1,860	1,812	1,943	
t-Test: Two-Sample Assuming Equal Variances						
Marktækur munur á styrk miðað við Bláfjöll	já	nei	nei	já	nei	

Pb						
	HE-neyðarlosun	HE-17	HE-stöðvarhús	Nesjavellir	Svartsengi	Bláfjöll
Mean	3,7	2,4	14,2	7,5	14,0	16,3
Variance	0,9	0,6	154,1	61,6	137,4	343,7
Observations	3	3	8	10	6	2
Pooled Variance	115,2	115,0	177,8	89,8	171,8	
Hypothesized Mean Difference	0	0	0	0	0	
df	3	3	8	10	6	
t Stat	-1,289	-1,419	-0,202	-1,198	-0,216	
P(T<=t) one-tail	0,144	0,126	0,423	0,129	0,418	
t Critical one-tail	2,353	2,353	1,860	1,812	1,943	
t-Test: Two-Sample Assuming Equal Variances						
Marktækur munur á styrk miðað við Bláfjöll	nei	nei	nei	nei	nei	

B						
	HE-neyðarlosun	HE-17	HE-stöðvarhús	Nesjavellir	Svartsengi	Bláfjöll
Mean	3,7	16,1	3,2	1,6	3,0	3,3
Variance	5,8	184,2	1,1	0,3	1,5	0,1
Observations	3	3	8	10	6	2
Pooled Variance	3,9	122,8	0,9	0,3	1,3	
Hypothesized Mean Difference	0	0	0	0	0	
df	3	3	8	10	6	
t Stat	0,262	1,266	-0,076	-3,895	-0,251	
P(T<=t) one-tail	0,405	0,147	0,470	0,001	0,405	
t Critical one-tail	2,353	2,353	1,860	1,812	1,943	
t-Test: Two-Sample Assuming Equal Variances						
Marktækur munur á styrk miðað við Bláfjöll	nei	nei	nei	já	nei	

Co						
	HE-neyðarlosun	HE-17	HE-stöðvarhús	Nesjavellir	Svartsengi	Bláfjöll
Mean	3,9	4,3	11,9	2,4	11,7	13,6
Variance	1,5	1,9	61,0	1,8	134,0	50,0
Observations	3	3	8	10	6	2
Pooled Variance	17,7	17,9	59,6	6,6	120,0	
Hypothesized Mean Difference	0	0	0	0	0	
df	3	3	8	10	6	
t Stat	-2,536	-2,400	-0,281	-5,618	-0,214	
P(T<=t) one-tail	0,042	0,048	0,393	0,000	0,419	
t Critical one-tail	2,353	2,353	1,860	1,812	1,943	
t-Test: Two-Sample Assuming Equal Variances						
Marktækur munur á styrk miðað við Bláfjöll	já	já	nei	já	nei	

Ni						
	HE-neyðarlosun	HE-17	HE-stöðvarhús	Nesjavellir	Svartsengi	Bláfjöll
Mean	9,0	10,9	36,8	4,8	43,0	44,5
Variance	10,3	14,0	980,4	6,1	2353,6	432,2
Observations	3	3	8	10	6	2
Pooled Variance	150,9	153,4	911,9	48,8	2033,4	
Hypothesized Mean Difference	0	0	0	0	0	
df	3	3	8	10	6	
t Stat	-3,163	-2,971	-0,324	-7,332	-0,042	
P(T<=t) one-tail	0,025	0,030	0,377	0,000	0,484	
t Critical one-tail	2,353	2,353	1,860	1,812	1,943	
t-Test: Two-Sample Assuming Equal Variances						
Marktækur munur á styrk miðað við Bláfjöll	já	já	nei	já	nei	

Cu						
	HE-neyðarlosun	HE-17	HE-stöðvarhús	Nesjavellir	Svartsengi	Bláfjöll
Mean	14,4	17,6	34,0	11,2	30,9	31,7
Variance	16,0	41,1	325,9	20,3	500,3	98,0
Observations	3	3	8	10	6	2
Pooled Variance	43,4	60,0	297,4	28,1	433,3	
Hypothesized Mean Difference	0	0	0	0	0	
df	3	3	8	10	6	
t Stat	-2,883	-1,998	0,168	-4,994	-0,050	
P(T<=t) one-tail	0,032	0,070	0,435	0,000	0,481	
t Critical one-tail	2,353	2,353	1,860	1,812	1,943	
t-Test: Two-Sample Assuming Equal Variances						
Marktækur munur á styrk miðað við Bláfjöll	já	nei	nei	já	nei	

Ba						
	HE-neyðarlosun	HE-17	HE-stöðvarhús	Nesjavellir	Svartsengi	Bláfjöll
Mean	14,9	11,7	28,0	11,7	15,0	21,7
Variance	5,8	4,4	155,1	19,0	26,7	62,7
Observations	3	3	8	10	6	2
Pooled Variance	24,7	23,8	143,6	23,3	32,7	
Hypothesized Mean Difference	0	0	0	0	0	
df	3	3	8	10	6	
t Stat	-1,505	-2,250	0,664	-2,673	-1,431	
P(T<=t) one-tail	0,115	0,055	0,263	0,012	0,101	
t Critical one-tail	2,353	2,353	1,860	1,812	1,943	
t-Test: Two-Sample Assuming Equal Variances						
Marktækur munur á styrk miðað við Bláfjöll	nei	nei	nei	já	nei	

Cr						
	HE-neyðarlosun	HE-17	HE-stöðvarhús	Nesjavellir	Svartsengi	Bláfjöll
Mean	16,1	19,4	50,9	14,5	52,8	49,5
Variance	13,5	45,8	888,0	56,2	2032,3	666,1
Observations	3	3	8	10	6	2
Pooled Variance	231,0	252,6	860,3	117,2	1804,6	
Hypothesized Mean Difference	0	0	0	0	0	
df	3	3	8	10	6	
t Stat	-2,403	-2,071	0,061	-4,169	0,096	
P(T<=t) one-tail	0,048	0,065	0,476	0,001	0,463	
t Critical one-tail	2,353	2,353	1,860	1,812	1,943	
t-Test: Two-Sample Assuming Equal Variances						
Marktækur munur á styrk miðað við Bláfjöll	já	nei	nei	já	nei	

Zn						
	HE-neyðarlosun	HE-17	HE-stöðvarhús	Nesjavellir	Svartsengi	Bláfjöll
Mean	17,4	17,6	35,8	12,9	29,5	32,5
Variance	8,7	12,4	235,9	26,4	427,3	96,6
Observations	3	3	8	10	6	2
Pooled Variance	38,0	40,4	218,5	33,4	372,2	
Hypothesized Mean Difference	0	0	0	0	0	
df	3	3	8	10	6	
t Stat	-2,680	-2,558	0,290	-4,369	-0,186	
P(T<=t) one-tail	0,038	0,042	0,390	0,001	0,429	
t Critical one-tail	2,353	2,353	1,860	1,812	1,943	
t-Test: Two-Sample Assuming Equal Variances						
Marktækur munur á styrk miðað við Bláfjöll	já	já	nei	já	nei	

V						
	HE-neyðarlosun	HE-17	HE-stöðvarhús	Nesjavellir	Svartsengi	Bláfjöll
Mean	30,0	29,6	83,4	27,9	62,1	75,5
Variance	27,6	80,9	1752,5	227,5	1533,2	1404,5
Observations	3	3	8	10	6	2
Pooled Variance	486,6	522,1	1709,0	345,2	1511,8	
Hypothesized Mean Difference	0	0	0	0	0	
df	3	3	8	10	6	
t Stat	-2,261	-2,202	0,241	-3,309	-0,423	
P(T<=t) one-tail	0,054	0,057	0,408	0,004	0,344	
t Critical one-tail	2,353	2,353	1,860	1,812	1,943	
t-Test: Two-Sample Assuming Equal Variances						
Marktækur munur á styrk miðað við Bláfjöll	nei	nei	nei	já	nei	

Mn						
	HE-neyðarlosun	HE-17	HE-stöðvarhús	Nesjavellir	Svartsengi	Bláfjöll
Mean	132	128	362	101	305	378
Variance	1417	1621	43841	2674	71319	36181
Observations	3	3	8	10	6	2
Pooled Variance	13005	13141	42883	6024	65462	
Hypothesized Mean Difference	0	0	0	0	0	
df	3	3	8	10	6	
t Stat	-2,359	-2,380	-0,095	-4,602	-0,347	
P(T<=t) one-tail	0,050	0,049	0,463	0,000	0,370	
t Critical one-tail	2,353	2,353	1,860	1,812	1,943	
t-Test: Two-Sample Assuming Equal Variances						
Marktækur munur á styrk miðað við Bláfjöll	já	já	nei	já	nei	

P						
	HE-neyðarlosun	HE-17	HE-stöðvarhús	Nesjavellir	Svartsengi	Bláfjöll
Mean	294	171	388	230	239	234
Variance	3680	223	45327	1942	6406	7938
Observations	3	3	8	10	6	2
Pooled Variance	5100	2795	40653	2542	6662	
Hypothesized Mean Difference	0	0	0	0	0	
df	3	3	8	10	6	
t Stat	0,926	-1,305	0,966	-0,100	0,070	
P(T<=t) one-tail	0,211	0,141	0,181	0,461	0,473	
t Critical one-tail	2,353	2,353	1,860	1,812	1,943	
t-Test: Two-Sample Assuming Equal Variances						
Marktækur munur á styrk miðað við Bláfjöll	nei	nei	nei	nei	nei	

S						
	HE-neyðarlosun	HE-17	HE-stöðvarhús	Nesjavellir	Svartsengi	Bláfjöll
Mean	638	562	544	2879	535	321
Variance	8643	9516	18390	1306743	23112	5000
Observations	3	3	8	10	6	2
Pooled Variance	7429	8011	16716	1176569	20093	
Hypothesized Mean Difference	0	0	0	0	0	
df	3	3	8	10	6	
t Stat	4,029	2,950	2,179	3,045	1,850	
P(T<=t) one-tail	0,014	0,030	0,030	0,006	0,057	
t Critical one-tail	2,353	2,353	1,860	1,812	1,943	
t-Test: Two-Sample Assuming Equal Variances						
Marktækur munur á styrk miðað við Bláfjöll	já	já	já	já	nei	

K						
	HE-neyðarlosun	HE-17	HE-stöðvarhús	Nesjavellir	Svartsengi	Bláfjöll
Mean	698	1230	820	725	567	680
Variance	3980	49600	102424	44530	21652	20402
Observations	3	3	8	10	6	2
Pooled Variance	9454	39867	92171	42117	21444	
Hypothesized Mean Difference	0	0	0	0	0	
df	3	3	8	10	6	
t Stat	0,199	3,017	0,581	0,282	-0,948	
P(T<=t) one-tail	0,427	0,028	0,289	0,392	0,190	
t Critical one-tail	2,353	2,353	1,860	1,812	1,943	
t-Test: Two-Sample Assuming Equal Variances						
Marktækur munur á styrk miðað við Bláfjöll	nei	já	nei	nei	nei	
Ti						
	HE-neyðarlosun	HE-17	HE-stöðvarhús	Nesjavellir	Svartsengi	Bláfjöll
Mean	1383	1155	3025	1542	2263	2490
Variance	63233	82905	1068114	378405	1252198	1729800
Observations	3	3	8	10	6	2
Pooled Variance	618756	631870	1150825	513544	1331798	
Hypothesized Mean Difference	0	0	0	0	0	
df	3	3	8	10	6	
t Stat	-1,541	-1,840	0,631	-1,708	-0,241	
P(T<=t) one-tail	0,110	0,082	0,273	0,059	0,409	
t Critical one-tail	2,353	2,353	1,860	1,812	1,943	
t-Test: Two-Sample Assuming Equal Variances						
Marktækur munur á styrk miðað við Bláfjöll	nei	nei	nei	nei	nei	
Na						
	HE-neyðarlosun	HE-17	HE-stöðvarhús	Nesjavellir	Svartsengi	Bláfjöll
Mean	1803	3373	3080	1273	2183	3165
Variance	64633	2824233	2805943	149180	552347	396050
Observations	3	3	8	10	6	2
Pooled Variance	175106	2014839	2504706	173867	526297	
Hypothesized Mean Difference	0	0	0	0	0	
df	3	3	8	10	6	
t Stat	-3,565	0,161	-0,068	-5,859	-1,657	
P(T<=t) one-tail	0,019	0,441	0,474	0,000	0,074	
t Critical one-tail	2,353	2,353	1,860	1,812	1,943	
t-Test: Two-Sample Assuming Equal Variances						
Marktækur munur á styrk miðað við Bláfjöll	já	nei	nei	já	nei	
Mg						
	HE-neyðarlosun	HE-17	HE-stöðvarhús	Nesjavellir	Svartsengi	Bláfjöll
Mean	3443	3650	11164	2198	11172	13435
Variance	787633	1067700	67112427	1455315	119454457	41678450
Observations	3	3	8	10	6	2
Pooled Variance	14417906	14604617	63933180	5477629	106491789	
Hypothesized Mean Difference	0	0	0	0	0	
df	3	3	8	10	6	
t Stat	-2,883	-2,805	-0,359	-6,199	-0,269	
P(T<=t) one-tail	0,032	0,034	0,364	0,000	0,399	
t Critical one-tail	2,353	2,353	1,860	1,812	1,943	
t-Test: Two-Sample Assuming Equal Variances						
Marktækur munur á styrk miðað við Bláfjöll	já	já	nei	já	nei	
Ca						
	HE-neyðarlosun	HE-17	HE-stöðvarhús	Nesjavellir	Svartsengi	Bláfjöll
Mean	6260	6430	16373	4504	12163	17400
Variance	654300	4196800	107057479	4504916	64381547	36980000
Observations	3	3	8	10	6	2
Pooled Variance	12762867	15124533	98297794	7752424	59814622	
Hypothesized Mean Difference	0	0	0	0	0	
df	3	3	8	10	6	
t Stat	-3,416	-3,090	-0,131	-5,979	-0,829	
P(T<=t) one-tail	0,021	0,027	0,449	0,000	0,219	
t Critical one-tail	2,353	2,353	1,860	1,812	1,943	
t-Test: Two-Sample Assuming Equal Variances						
Marktækur munur á styrk miðað við Bláfjöll	já	já	nei	já	nei	
Al						
	HE-neyðarlosun	HE-17	HE-stöðvarhús	Nesjavellir	Svartsengi	Bláfjöll
Mean	8780	7673	20400	6787	12770	19650
Variance	3587700	4127433	128940000	9250468	38228600	34445000
Observations	3	3	8	10	6	2
Pooled Variance	13873466,67	14233288,89	117128125	11769921	37598000	
Hypothesized Mean Difference	0	0	0	0	0	
df	3	3	8	10	6	
t Stat	-3,197	-3,478	0,088	-4,840	-1,374	
P(T<=t) one-tail	0,025	0,020	0,466	0,000	0,109	
t Critical one-tail	2,353	2,353	1,860	1,812	1,943	
t-Test: Two-Sample Assuming Equal Variances						
Marktækur munur á styrk miðað við Bláfjöll	já	já	nei	já	nei	

Fe						
	HE-neyðarlosun	HE-17	HE-stöðvarhús	Nesjavellir	Svartsengi	Bláfjöll
Mean	10560	9377	27025	12002	20702	26300
Variance	5252800	7915633	172805000	30748551	168034097	137780000
Observations	3	3	8	10	6	2
Pooled Variance	49428533	51203756	168426875	41451696	162991747	
Hypothesized Mean Difference	0	0	0	0	0	
df	3	3	8	10	6	
t Stat	-2,452	-2,591	0,071	-2,867	-0,537	
P(T<=t) one-tail	0,046	0,041	0,473	0,008	0,305	
t Critical one-tail	2,353	2,353	1,860	1,812	1,943	
t-Test: Two-Sample Assuming Equal Variances						
Marktækur munur á styrk miðað við Bláfjöll	já	já	nei	já	nei	

  

Si						
	HE-neyðarlosun	HE-17	HE-stöðvarhús	Nesjavellir	Svartsengi	Bláfjöll
Mean	17867	15267	11299	13839	9987	13100
Variance	3643333	7373333	24393441	12362766	24406707	7220000
Observations	3	3	8	10	6	2
Pooled Variance	4835556	7322222	22246761	11848489	21542256	
Hypothesized Mean Difference	0	0	0	0	0	
df	3	3	8	10	6	
t Stat	2,375	0,877	-0,483	0,277	-0,822	
P(T<=t) one-tail	0,049	0,222	0,321	0,394	0,221	
t Critical one-tail	2,353	2,353	1,860	1,812	1,943	
t-Test: Two-Sample Assuming Equal Variances						
Marktækur munur á styrk miðað við Bláfjöll	já	nei	nei	nei	nei	