

General Linear Model

Between-Subjects Factors

		Value Label	N
Router Type Protocol	1	ecmp-mptcp	160
	2	ps-mptcp	160
	3	ps-tcp	160
	4	static-tcp	160
Juggler Enabled	1	false	320
	2	true	320

Descriptive Statistics

	Router Type Protocol	Juggler Enabled	Mean	Std. Deviation
Goodput	ecmp-mptcp	false	1833533.179	99210.65194
		true	1751989.144	115824.6920
		Total	1792761.162	115016.2168
	ps-mptcp	false	1863812.664	89767.98534
		true	1708404.239	182712.6659
		Total	1786108.451	163299.4259
	ps-tcp	false	1932588.567	85813.62838
		true	1816330.780	109532.3572
		Total	1874459.674	114105.1841
	static-tcp	false	1918004.342	69955.07756
		true	1841696.585	40814.74214
		Total	1879850.463	68731.53862
	Total	false	1886984.688	95303.75970
		true	1779605.187	133196.0716
		Total	1833294.937	127585.7022
Throughput	ecmp-mptcp	false	2079808.270	103632.0127
		true	2039500.381	270268.5682
		Total	2059654.325	205030.7507
	ps-mptcp	false	2113147.860	95442.96974
		true	2011535.361	155473.9054
		Total	2062341.610	138324.2513
	ps-tcp	false	2114764.051	91626.36450
		true	2076009.658	238698.2646
		Total	2095386.855	181268.8341

Descriptive Statistics

	Router Type Protocol	Juggler Enabled	N
Goodput	ecmp-mptcp	false	80
		true	80
		Total	160
	ps-mptcp	false	80
		true	80
		Total	160
	ps-tcp	false	80
		true	80
		Total	160
	static-tcp	false	80
		true	80
		Total	160
	Total	false	320
		true	320
		Total	640
Throughput	ecmp-mptcp	false	80
		true	80
		Total	160
	ps-mptcp	false	80
		true	80
		Total	160
	ps-tcp	false	80
		true	80
		Total	160

Descriptive Statistics

	Router Type Protocol	Juggler Enabled	Mean	Std. Deviation
	static-tcp	false	2115429.763	225213.9854
		true	2015471.290	44801.65520
		Total	2065450.526	169446.4077
	Total	false	2105787.486	140648.9753
		true	2035629.172	198351.3174
		Total	2070708.329	175353.6389
Flow Completion Time	ecmp-mptcp	false	.071708	.0041731
		true	.075141	.0050568
		Total	.073424	.0049319
	ps-mptcp	false	.070491	.0035242
		true	.077876	.0110814
		Total	.074184	.0089947
	ps-tcp	false	.067955	.0030471
		true	.072457	.0049591
		Total	.070206	.0046832
	static-tcp	false	.068422	.0023561
		true	.071207	.0017541
		Total	.069815	.0024976
	Total	false	.069644	.0036606
		true	.074171	.0070862
		Total	.071907	.0060735
Mean Network Utilization	ecmp-mptcp	false	.6382726030	.1706914209
		true	.6262924461	.1824041499
		Total	.6322825246	.1761910223
	ps-mptcp	false	.8431981733	.0898778198
		true	.8679701861	.0637913731
		Total	.8555841797	.0786756611
	ps-tcp	false	.8526838522	.0925775683
		true	.8342996730	.0650965844
		Total	.8434917626	.0803046349
	static-tcp	false	.3512362692	.2467786249
		true	.2588225371	.0042663251
		Total	.3050294032	.1800441128

Descriptive Statistics

	Router Type Protocol	Juggler Enabled	N
	static-tcp	false	80
		true	80
		Total	160
	Total	false	320
		true	320
		Total	640
Flow Completion Time	ecmp-mptcp	false	80
		true	80
		Total	160
	ps-mptcp	false	80
		true	80
		Total	160
	ps-tcp	false	80
		true	80
		Total	160
	static-tcp	false	80
		true	80
		Total	160
	Total	false	320
		true	320
		Total	640
Mean Network Utilization	ecmp-mptcp	false	80
		true	80
		Total	160
	ps-mptcp	false	80
		true	80
		Total	160
	ps-tcp	false	80
		true	80
		Total	160
	static-tcp	false	80
		true	80
		Total	160

Descriptive Statistics

Router Type Protocol	Juggler Enabled	Mean	Std. Deviation
Total	false	.6713477244	.2608551197
	true	.6468462106	.2631355977
	Total	.6590969675	.2620796858

Descriptive Statistics

Router Type Protocol	Juggler Enabled	N
Total	false	320
	true	320
	Total	640

Box's Test of Equality of Covariance Matrices^a

Box's M	4526.750
F	63.340
df1	70
df2	546844.039
Sig.	.000

Tests the null hypothesis that the observed covariance matrices of the dependent variables are equal across groups.

a. Design: Intercept + router_proto + juggler_enabled + router_proto * juggler_enabled

Multivariate Tests^a

Effect		Value	F	Hypothesis df
Intercept	Pillai's Trace	1.000	3119633.81 ^b	4.000
	Wilks' Lambda	.000	3119633.81 ^b	4.000
	Hotelling's Trace	19838.689	3119633.81 ^b	4.000
	Roy's Largest Root	19838.689	3119633.81 ^b	4.000
router_proto	Pillai's Trace	.951	73.189	12.000
	Wilks' Lambda	.169	132.865	12.000
	Hotelling's Trace	4.213	220.372	12.000
	Roy's Largest Root	4.041	637.513 ^c	4.000
juggler_enabled	Pillai's Trace	.267	57.139 ^b	4.000
	Wilks' Lambda	.733	57.139 ^b	4.000
	Hotelling's Trace	.363	57.139 ^b	4.000
	Roy's Largest Root	.363	57.139 ^b	4.000
router_proto * juggler_enabled	Pillai's Trace	.089	4.824	12.000
	Wilks' Lambda	.913	4.871	12.000
	Hotelling's Trace	.094	4.901	12.000
	Roy's Largest Root	.067	10.583 ^c	4.000

Multivariate Tests^a

Effect		Error df	Sig.	Partial Eta Squared
Intercept	Pillai's Trace	629.000	.000	1.000
	Wilks' Lambda	629.000	.000	1.000
	Hotelling's Trace	629.000	.000	1.000
	Roy's Largest Root	629.000	.000	1.000
router_proto	Pillai's Trace	1893.000	.000	.317
	Wilks' Lambda	1664.469	.000	.447
	Hotelling's Trace	1883.000	.000	.584
	Roy's Largest Root	631.000	.000	.802
juggler_enabled	Pillai's Trace	629.000	.000	.267
	Wilks' Lambda	629.000	.000	.267
	Hotelling's Trace	629.000	.000	.267
	Roy's Largest Root	629.000	.000	.267
router_proto * juggler_enabled	Pillai's Trace	1893.000	.000	.030
	Wilks' Lambda	1664.469	.000	.030
	Hotelling's Trace	1883.000	.000	.030
	Roy's Largest Root	631.000	.000	.063

- a. Design: Intercept + router_proto + juggler_enabled + router_proto * juggler_enabled
- b. Exact statistic
- c. The statistic is an upper bound on F that yields a lower bound on the significance level.

Levene's Test of Equality of Error Variances^a

		Levene Statistic	df1	df2	Sig.
Goodput	Based on Mean	12.033	7	632	.000
	Based on Median	5.716	7	632	.000
	Based on Median and with adjusted df	5.716	7	333.418	.000
	Based on trimmed mean	8.877	7	632	.000
Throughput	Based on Mean	3.148	7	632	.003
	Based on Median	2.571	7	632	.013
	Based on Median and with adjusted df	2.571	7	336.999	.014
	Based on trimmed mean	2.591	7	632	.012
Flow Completion Time	Based on Mean	19.102	7	632	.000
	Based on Median	7.174	7	632	.000
	Based on Median and with adjusted df	7.174	7	188.898	.000
	Based on trimmed mean	12.164	7	632	.000
Mean Network Utilization	Based on Mean	28.472	7	632	.000
	Based on Median	14.019	7	632	.000
	Based on Median and with adjusted df	14.019	7	174.796	.000
	Based on trimmed mean	21.614	7	632	.000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + router_proto + juggler_enabled + router_proto * juggler_enabled

Tests of Between-Subjects Effects

Source	Dependent Variable	Type III Sum of Squares	df	Mean Square
Corrected Model	Goodput	3.243E+12 ^a	7	4.632E+11
	Throughput	1.070E+12 ^b	7	1.529E+11
	Flow Completion Time	.006 ^c	7	.001
	Mean Network Utilization	32.176 ^d	7	4.597
Intercept	Goodput	2.151E+15	1	2.151E+15
	Throughput	2.744E+15	1	2.744E+15
	Flow Completion Time	3.309	1	3.309
	Mean Network Utilization	278.022	1	278.022
router_proto	Goodput	1.237E+12	3	4.123E+11
	Throughput	1.326E+11	3	4.421E+10
	Flow Completion Time	.002	3	.001
	Mean Network Utilization	31.791	3	10.597
juggler_enabled	Goodput	1.845E+12	1	1.845E+12
	Throughput	7.876E+11	1	7.876E+11
	Flow Completion Time	.003	1	.003
	Mean Network Utilization	.096	1	.096
router_proto * juggler_enabled	Goodput	1.607E+11	3	5.358E+10
	Throughput	1.502E+11	3	5.006E+10
	Flow Completion Time	.000	3	.000
	Mean Network Utilization	.289	3	.096
Error	Goodput	7.159E+12	632	1.133E+10
	Throughput	1.858E+13	632	2.940E+10
	Flow Completion Time	.017	632	2.759E-5
	Mean Network Utilization	11.714	632	.019
Total	Goodput	2.161E+15	640	
	Throughput	2.764E+15	640	
	Flow Completion Time	3.333	640	
	Mean Network Utilization	321.912	640	
Corrected Total	Goodput	1.040E+13	639	
	Throughput	1.965E+13	639	
	Flow Completion Time	.024	639	
	Mean Network Utilization	43.890	639	

Tests of Between-Subjects Effects

Source	Dependent Variable	F	Sig.	Partial Eta Squared
Corrected Model	Goodput	40.894	.000	.312
	Throughput	5.202	.000	.054
	Flow Completion Time	31.768	.000	.260
	Mean Network Utilization	247.994	.000	.733
Intercept	Goodput	189891.208	.000	.997
	Throughput	93353.693	.000	.993
	Flow Completion Time	119948.694	.000	.995
	Mean Network Utilization	14999.792	.000	.960
router_proto	Goodput	36.402	.000	.147
	Throughput	1.504	.212	.007
	Flow Completion Time	28.524	.000	.119
	Mean Network Utilization	571.722	.000	.731
juggler_enabled	Goodput	162.863	.000	.205
	Throughput	26.791	.000	.041
	Flow Completion Time	118.830	.000	.158
	Mean Network Utilization	5.182	.023	.008
router_proto * juggler_enabled	Goodput	4.730	.003	.022
	Throughput	1.703	.165	.008
	Flow Completion Time	5.992	.000	.028
	Mean Network Utilization	5.204	.001	.024
Error	Goodput			
	Throughput			
	Flow Completion Time			
	Mean Network Utilization			
Total	Goodput			
	Throughput			
	Flow Completion Time			
	Mean Network Utilization			
Corrected Total	Goodput			
	Throughput			
	Flow Completion Time			
	Mean Network Utilization			

a. R Squared = .312 (Adjusted R Squared = .304)

b. R Squared = .054 (Adjusted R Squared = .044)

c. R Squared = .260 (Adjusted R Squared = .252)

d. R Squared = .733 (Adjusted R Squared = .730)

Post Hoc Tests

Router Type | Protocol

Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Router Type Protocol	(J) Router Type Protocol	Mean Difference (I-J)
Goodput	ecmp-mptcp	ps-mptcp	6652.710604
		ps-tcp	-81698.5121 [*]
		static-tcp	-87089.3013 [*]
	ps-mptcp	ecmp-mptcp	-6652.71060
		ps-tcp	-88351.2227 [*]
		static-tcp	-93742.0119 [*]
	ps-tcp	ecmp-mptcp	81698.5121 [*]
		ps-mptcp	88351.2227 [*]
		static-tcp	-5390.78923
	static-tcp	ecmp-mptcp	87089.3013 [*]
		ps-mptcp	93742.0119 [*]
		ps-tcp	5390.789225
Throughput	ecmp-mptcp	ps-mptcp	-2687.28469
		ps-tcp	-35732.5291
		static-tcp	-5796.20094
	ps-mptcp	ecmp-mptcp	2687.284693
		ps-tcp	-33045.2445
		static-tcp	-3108.91625
	ps-tcp	ecmp-mptcp	35732.52914
		ps-mptcp	33045.24445
		static-tcp	29936.32820
	static-tcp	ecmp-mptcp	5796.200942
		ps-mptcp	3108.916249
		ps-tcp	-29936.3282

Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Router Type Protocol	(J) Router Type Protocol	Std. Error
Goodput	ecmp-mptcp	ps-mptcp	11899.39562
		ps-tcp	11899.39562
		static-tcp	11899.39562
	ps-mptcp	ecmp-mptcp	11899.39562
		ps-tcp	11899.39562
		static-tcp	11899.39562
	ps-tcp	ecmp-mptcp	11899.39562
		ps-mptcp	11899.39562
		static-tcp	11899.39562
	static-tcp	ecmp-mptcp	11899.39562
		ps-mptcp	11899.39562
		ps-tcp	11899.39562
Throughput	ecmp-mptcp	ps-mptcp	19168.94333
		ps-tcp	19168.94333
		static-tcp	19168.94333
	ps-mptcp	ecmp-mptcp	19168.94333
		ps-tcp	19168.94333
		static-tcp	19168.94333
	ps-tcp	ecmp-mptcp	19168.94333
		ps-mptcp	19168.94333
		static-tcp	19168.94333
	static-tcp	ecmp-mptcp	19168.94333
		ps-mptcp	19168.94333
		ps-tcp	19168.94333

Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Router Type Protocol	(J) Router Type Protocol	Sig.
Goodput	ecmp-mptcp	ps-mptcp	.944
		ps-tcp	.000
		static-tcp	.000
	ps-mptcp	ecmp-mptcp	.944
		ps-tcp	.000
		static-tcp	.000
	ps-tcp	ecmp-mptcp	.000
		ps-mptcp	.000
		static-tcp	.969
	static-tcp	ecmp-mptcp	.000
		ps-mptcp	.000
		ps-tcp	.969
Throughput	ecmp-mptcp	ps-mptcp	.999
		ps-tcp	.245
		static-tcp	.990
	ps-mptcp	ecmp-mptcp	.999
		ps-tcp	.312
		static-tcp	.998
	ps-tcp	ecmp-mptcp	.245
		ps-mptcp	.312
		static-tcp	.401
	static-tcp	ecmp-mptcp	.990
		ps-mptcp	.998
		ps-tcp	.401

Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Router Type Protocol	(J) Router Type Protocol	95% ...
			Lower Bound
Goodput	ecmp-mptcp	ps-mptcp	-23998.6944
		ps-tcp	-112349.917
		static-tcp	-117740.706
	ps-mptcp	ecmp-mptcp	-37304.1156
		ps-tcp	-119002.628
		static-tcp	-124393.417
	ps-tcp	ecmp-mptcp	51047.10706
		ps-mptcp	57699.81767
		static-tcp	-36042.1943
	static-tcp	ecmp-mptcp	56437.89629
		ps-mptcp	63090.60689
		ps-tcp	-25260.6158
Throughput	ecmp-mptcp	ps-mptcp	-52064.1661
		ps-tcp	-85109.4105
		static-tcp	-55173.0823
	ps-mptcp	ecmp-mptcp	-46689.5967
		ps-tcp	-82422.1258
		static-tcp	-52485.7976
	ps-tcp	ecmp-mptcp	-13644.3522
		ps-mptcp	-16331.6369
		static-tcp	-19440.5532
	static-tcp	ecmp-mptcp	-43580.6804
		ps-mptcp	-46267.9651
		ps-tcp	-79313.2096

Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Router Type Protocol	(J) Router Type Protocol	95% Confidence ..
			Upper Bound
Goodput	ecmp-mptcp	ps-mptcp	37304.11564
		ps-tcp	-51047.1071
		static-tcp	-56437.8963
	ps-mptcp	ecmp-mptcp	23998.69443
		ps-tcp	-57699.8177
		static-tcp	-63090.6069
	ps-tcp	ecmp-mptcp	112349.9171
		ps-mptcp	119002.6277
		static-tcp	25260.61581
	static-tcp	ecmp-mptcp	117740.7064
		ps-mptcp	124393.4170
		ps-tcp	36042.19426
Throughput	ecmp-mptcp	ps-mptcp	46689.59668
		ps-tcp	13644.35223
		static-tcp	43580.68043
	ps-mptcp	ecmp-mptcp	52064.16606
		ps-tcp	16331.63692
		static-tcp	46267.96512
	ps-tcp	ecmp-mptcp	85109.41051
		ps-mptcp	82422.12582
		static-tcp	79313.20957
	static-tcp	ecmp-mptcp	55173.08231
		ps-mptcp	52485.79762
		ps-tcp	19440.55317

Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Router Type Protocol	(J) Router Type Protocol	Mean Difference (I-J)
Flow Completion Time	ecmp-mptcp	ps-mptcp	-.000759
		ps-tcp	.003218 [*]
		static-tcp	.003609 [*]
	ps-mptcp	ecmp-mptcp	.000759
		ps-tcp	.003977 [*]
		static-tcp	.004369 [*]
	ps-tcp	ecmp-mptcp	-.003218 [*]
		ps-mptcp	-.003977 [*]
		static-tcp	.000391
	static-tcp	ecmp-mptcp	-.003609 [*]
		ps-mptcp	-.004369 [*]
		ps-tcp	-.000391
Mean Network Utilization	ecmp-mptcp	ps-mptcp	-.223301655 [*]
		ps-tcp	-.211209238 [*]
		static-tcp	.327253121 [*]
	ps-mptcp	ecmp-mptcp	.223301655 [*]
		ps-tcp	.0120924171
		static-tcp	.550554776 [*]
	ps-tcp	ecmp-mptcp	.211209238 [*]
		ps-mptcp	-.012092417
		static-tcp	.538462359 [*]
	static-tcp	ecmp-mptcp	-.327253121 [*]
		ps-mptcp	-.550554776 [*]
		ps-tcp	-.538462359 [*]

Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Router Type Protocol	(J) Router Type Protocol	Std. Error
Flow Completion Time	ecmp-mptcp	ps-mptcp	.0005872
		ps-tcp	.0005872
		static-tcp	.0005872
	ps-mptcp	ecmp-mptcp	.0005872
		ps-tcp	.0005872
		static-tcp	.0005872
	ps-tcp	ecmp-mptcp	.0005872
		ps-mptcp	.0005872
		static-tcp	.0005872
	static-tcp	ecmp-mptcp	.0005872
		ps-mptcp	.0005872
		ps-tcp	.0005872
Mean Network Utilization	ecmp-mptcp	ps-mptcp	.0152212978
		ps-tcp	.0152212978
		static-tcp	.0152212978
	ps-mptcp	ecmp-mptcp	.0152212978
		ps-tcp	.0152212978
		static-tcp	.0152212978
	ps-tcp	ecmp-mptcp	.0152212978
		ps-mptcp	.0152212978
		static-tcp	.0152212978
	static-tcp	ecmp-mptcp	.0152212978
		ps-mptcp	.0152212978
		ps-tcp	.0152212978

Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Router Type Protocol	(J) Router Type Protocol	Sig.
Flow Completion Time	ecmp-mptcp	ps-mptcp	.568
		ps-tcp	.000
		static-tcp	.000
	ps-mptcp	ecmp-mptcp	.568
		ps-tcp	.000
		static-tcp	.000
	ps-tcp	ecmp-mptcp	.000
		ps-mptcp	.000
		static-tcp	.910
	static-tcp	ecmp-mptcp	.000
		ps-mptcp	.000
		ps-tcp	.910
Mean Network Utilization	ecmp-mptcp	ps-mptcp	.000
		ps-tcp	.000
		static-tcp	.000
	ps-mptcp	ecmp-mptcp	.000
		ps-tcp	.857
		static-tcp	.000
	ps-tcp	ecmp-mptcp	.000
		ps-mptcp	.857
		static-tcp	.000
	static-tcp	ecmp-mptcp	.000
		ps-mptcp	.000
		ps-tcp	.000

Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Router Type Protocol	(J) Router Type Protocol	95% ...
			Lower Bound
Flow Completion Time	ecmp-mptcp	ps-mptcp	-.002272
		ps-tcp	.001705
		static-tcp	.002097
	ps-mptcp	ecmp-mptcp	-.000753
		ps-tcp	.002465
		static-tcp	.002856
	ps-tcp	ecmp-mptcp	-.004731
		ps-mptcp	-.005490
		static-tcp	-.001121
	static-tcp	ecmp-mptcp	-.005122
		ps-mptcp	-.005881
		ps-tcp	-.001904
Mean Network Utilization	ecmp-mptcp	ps-mptcp	-.262509879
		ps-tcp	-.250417462
		static-tcp	.2880448979
	ps-mptcp	ecmp-mptcp	.1840934316
		ps-tcp	-.027115806
		static-tcp	.5113465530
	ps-tcp	ecmp-mptcp	.1720010145
		ps-mptcp	-.051300641
		static-tcp	.4992541359
	static-tcp	ecmp-mptcp	-.366461345
		ps-mptcp	-.589763000
		ps-tcp	-.577670583

Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Router Type Protocol	(J) Router Type Protocol	95% Confidence ..
			Upper Bound
Flow Completion Time	ecmp-mptcp	ps-mptcp	.000753
		ps-tcp	.004731
		static-tcp	.005122
	ps-mptcp	ecmp-mptcp	.002272
		ps-tcp	.005490
		static-tcp	.005881
	ps-tcp	ecmp-mptcp	-.001705
		ps-mptcp	-.002465
		static-tcp	.001904
	static-tcp	ecmp-mptcp	-.002097
		ps-mptcp	-.002856
		ps-tcp	.001121
Mean Network Utilization	ecmp-mptcp	ps-mptcp	-.184093432
		ps-tcp	-.172001015
		static-tcp	.3664613449
	ps-mptcp	ecmp-mptcp	.2625098786
		ps-tcp	.0513006406
		static-tcp	.5897630000
	ps-tcp	ecmp-mptcp	.2504174615
		ps-mptcp	.0271158064
		static-tcp	.5776705829
	static-tcp	ecmp-mptcp	-.288044898
		ps-mptcp	-.511346553
		ps-tcp	-.499254136

Based on observed means.

The error term is Mean Square(Error) = .019.

*. The mean difference is significant at the .05 level.

Homogeneous Subsets

Goodput

Tukey HSD^{a,b}

Router Type Protocol	N	Subset	
		1	2
ps-mptcp	160	1786108.451	
ecmp-mptcp	160	1792761.162	
ps-tcp	160		1874459.674
static-tcp	160		1879850.463
Sig.		.944	.969

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 11327649295.306.

a. Uses Harmonic Mean Sample Size = 160.000.

b. Alpha = .05.

Throughput

Tukey HSD^{a,b}

Router Type Protocol	N	Subset
		1
ecmp-mptcp	160	2059654.325
ps-mptcp	160	2062341.610
static-tcp	160	2065450.526
ps-tcp	160	2095386.855
Sig.		.245

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 29395871063.708.

a. Uses Harmonic Mean Sample Size = 160.000.

b. Alpha = .05.

Flow Completion Time

Tukey HSD^{a,b}

Router Type Protocol	N	Subset	
		1	2
static-tcp	160	.069815	
ps-tcp	160	.070206	
ecmp-mptcp	160		.073424
ps-mptcp	160		.074184
Sig.		.910	.568

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 2.759E-5.

a. Uses Harmonic Mean Sample Size = 160.000.

b. Alpha = .05.

Mean Network Utilization

Tukey HSD^{a,b}

Router Type Protocol	N	Subset		
		1	2	3
static-tcp	160	.3050294032		
ecmp-mptcp	160		.6322825246	
ps-tcp	160			.8434917626
ps-mptcp	160			.8555841797
Sig.		1.000	1.000	.857

Means for groups in homogeneous subsets are displayed.

Based on observed means.

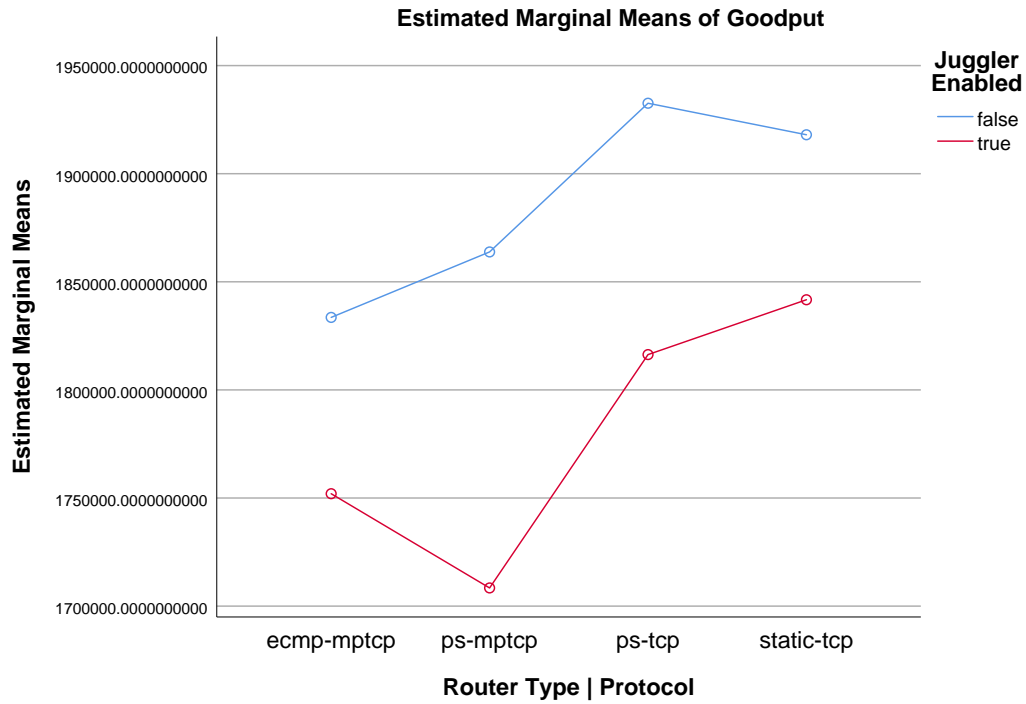
The error term is Mean Square(Error) = .019.

a. Uses Harmonic Mean Sample Size = 160.000.

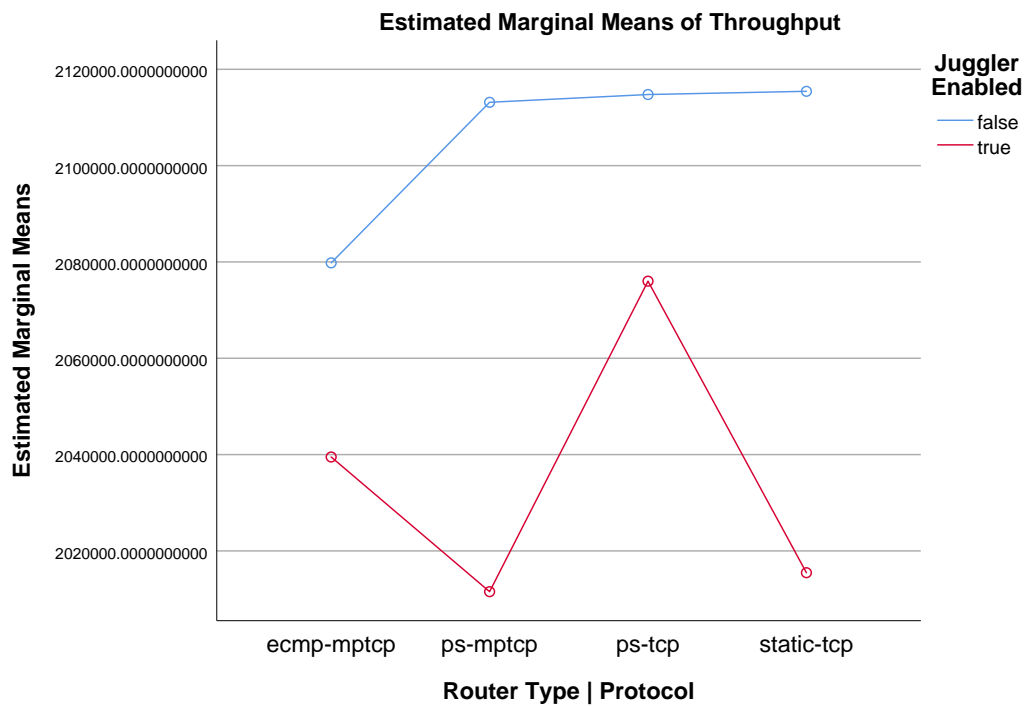
b. Alpha = .05.

Profile Plots

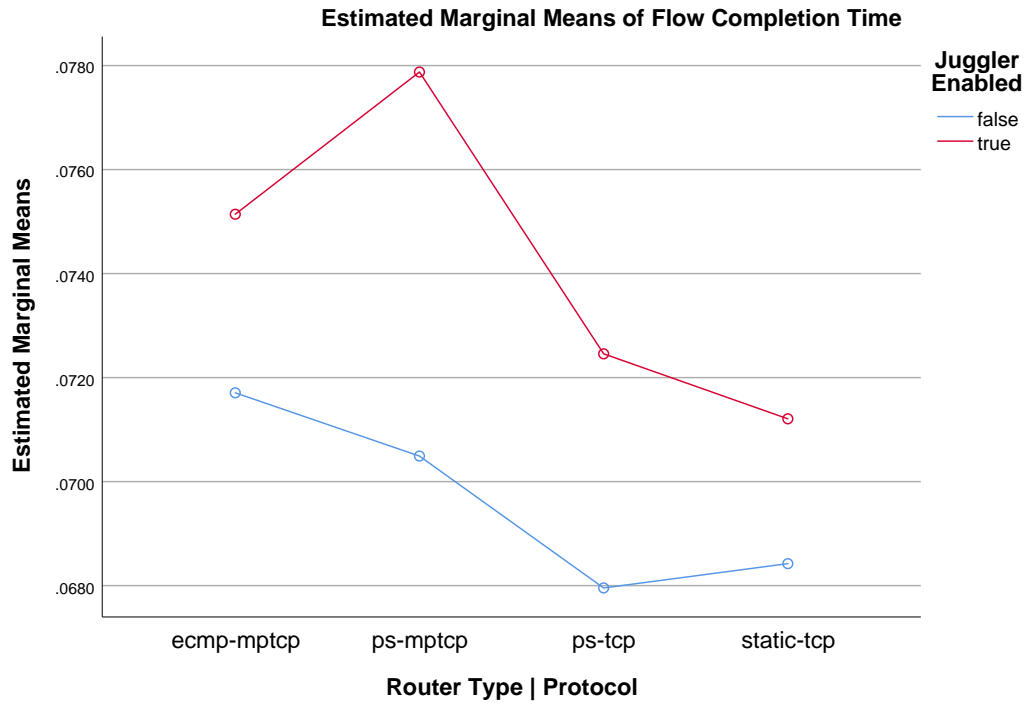
Goodput



Throughput



Flow Completion Time



Mean Network Utilization

