

Values Across All Replications

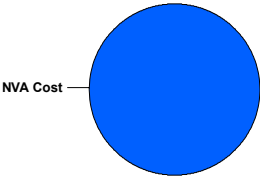
HACKATON PAE

Replications: 100 Time Units: Hours

Key Performance Indicators

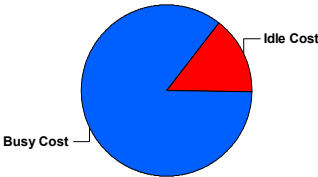
All Entities

	Average
Non-Value Added Cost	1,977,174,213
Other Cost	0
Transfer Cost	0
Value Added Cost	0
Wait Cost	0
Total Cost	1,977,174,213



All Resources

	Average
Busy Cost	1,977,174,213 *
Idle Cost	344,428,113
Usage Cost	0
Total Cost	2,321,602,326



* these costs are included in Entity Costs above.

System

	Average
Total Cost	2,321,602,326
Number Out	13,676

Values Across All Replications

HACKATON PAE

Replications: 100 Time Units: Hours

Entity

Time

VA Time	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Crudo Mediano	0.00	0.00	0.00	0.00	0.00	0.00
Crudo pesado	0.00	0.00	0.00	0.00	0.00	0.00
NVA Time	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Crudo Mediano	50.1920	0.04	49.6794	50.7713	24.0000	332.00
Crudo pesado	171.63	0.33	167.08	175.42	117.32	432.82
Wait Time	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Crudo Mediano	107.55	0.23	105.18	109.89	6.0167	7721.13
Crudo pesado	690.00	1.37	672.20	704.54	180.09	6104.16
Transfer Time	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Crudo Mediano	0.00	0.00	0.00	0.00	0.00	0.00
Crudo pesado	0.00	0.00	0.00	0.00	0.00	0.00
Other Time	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Crudo Mediano	0.00	0.00	0.00	0.00	0.00	0.00
Crudo pesado	0.00	0.00	0.00	0.00	0.00	0.00
Total Time	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Crudo Mediano	105.00	0.10	103.84	106.01	30.0167	702.02
Crudo pesado	321.84	0.19	319.71	324.11	210.02	582.02

Cost

VA Cost	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Crudo Mediano	0.00	0.00	0.00	0.00	0.00	0.00
Crudo pesado	0.00	0.00	0.00	0.00	0.00	0.00
NVA Cost	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Crudo Mediano	105460.66	142.16	103845.13	107318.69	0.00	931719.92
Crudo pesado	469511.36	979.11	454904.02	480144.55	257569.35	1213032

Values Across All Replications

HACKATON PAE

Replications: 100 Time Units: Hours

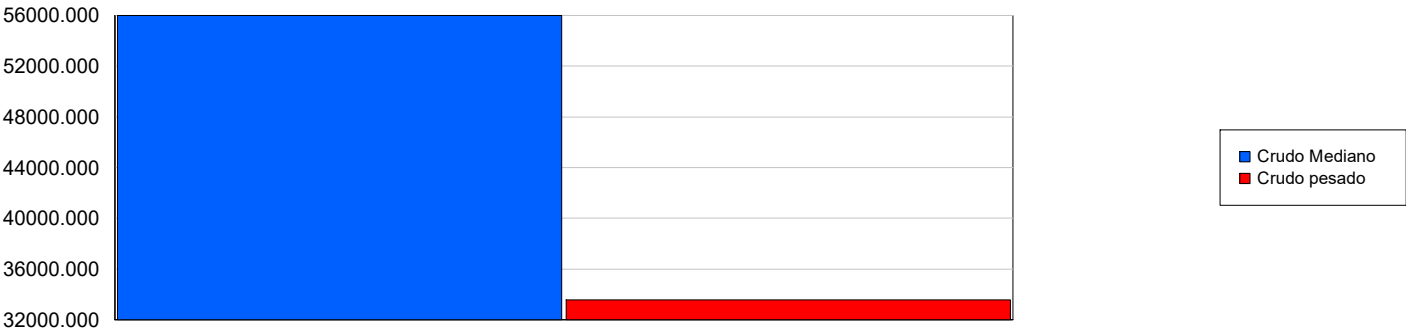
Entity

Cost

Wait Cost	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Crudo Mediano	0.00	0.00	0.00	0.00	0.00	0.00
Crudo pesado	0.00	0.00	0.00	0.00	0.00	0.00
Other Cost	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Crudo Mediano	0.00	0.00	0.00	0.00	0.00	0.00
Crudo pesado	0.00	0.00	0.00	0.00	0.00	0.00
Transfer Cost	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Crudo Mediano	0.00	0.00	0.00	0.00	0.00	0.00
Crudo pesado	0.00	0.00	0.00	0.00	0.00	0.00
Total Cost	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Crudo Mediano	105460.66	142.16	103845.13	107318.69	0.00	931719.92
Crudo pesado	469511.36	979.11	454904.02	480144.55	257569.35	1213032

Other

Number In	Average	Half Width	Minimum Average	Maximum Average
Crudo Mediano	55971.30	8.15	55870.00	56086.00
Crudo pesado	33596.35	9.34	33478.00	33704.00



Number Out	Average	Half Width	Minimum Average	Maximum Average
Crudo Mediano	55954.01	8.08	55854.00	56067.00
Crudo pesado	33554.59	9.43	33426.00	33660.00

Values Across All Replications

HACKATON PAE

Replications: 100 Time Units: Hours

Entity

Other

WIP	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Crudo Mediano	15.9658	0.00	15.9086	16.0259	0.00	34.0000
Crudo pesado	40.9535	0.01	40.7858	41.1532	0.00	103.00

Values Across All Replications

HACKATON PAE

Replications: 100 Time Units: Hours

Queue

Time

Waiting Time	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Batch Cor Pr.Queue	83.6550	0.28	79.8115	87.8365	0.00	168.00
Batch Cord PR Afra.Queue	57.6758	0.06	56.8758	58.5270	0.00	168.00
Batch Land.Queue	0.01498411	0.00	0.01481150	0.01520425	0.00	0.01666667
Batch ol PR.Queue	129.62	0.11	128.40	130.90	0.00	168.00
Batch Olivia PR Afra.Queue	79.6514	0.04	79.1657	80.0772	0.00	168.00
Batch sea a sur.Queue	4.9911	0.01	4.9224	5.0865	0.00	120.00
Charge Transport and Discharge.Queue	15.4217	0.03	15.0476	15.7414	0.00	196.89
Hold until 3.Queue	0.6073	0.01	0.4231	0.7604	0.00	81.4844
Hold until 5.Queue	12.7287	0.01	12.5510	12.9314	0.00	29.9833
Hub Caleta Cordova.Queue	3.0224	0.09	2.0480	4.6454	0.00	544.13
Hub Caleta Oliva.Queue	0.00	0.00	0.00	0.00	0.00	0.00
Hub Cordoba free.Queue	0.01147729	0.01	0.00	0.2364	0.00	280.13
Hub Oliva free.Queue	0.00	0.00	0.00	0.00	0.00	0.00
Hub Puerto Rosales.Queue	2.7156	0.01	2.6466	2.7726	0.00	52.8878
Land transport.Queue	21.7878	0.01	21.7109	21.8655	0.00	47.9833
Transport Cord a PR and travel back AFRA.Queue	0.00	0.00	0.00	0.00	0.00	0.00
Transport Cord a PR and travel back.Queue	11.8506	0.06	11.0860	12.6404	0.00	102.97
Transport Oliva a PR and travel back.Queue	11.3288	0.08	10.4643	12.1869	0.00	55.7592
Transport Olivia a PR and travel back AFRA.Queue	0.1733	0.03	0.00	0.7071	0.00	100.27

Cost

Values Across All Replications

HACKATON PAE

Replications: 100 Time Units: Hours

Queue

Cost

Waiting Cost	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Batch Cor Pr.Queue	0.00	0.00	0.00	0.00	0.00	0.00
Batch Cord PR Afra.Queue	0.00	0.00	0.00	0.00	0.00	0.00
Batch Land.Queue	0.00	0.00	0.00	0.00	0.00	0.00
Batch ol PR.Queue	0.00	0.00	0.00	0.00	0.00	0.00
Batch Olivia PR Afra.Queue	0.00	0.00	0.00	0.00	0.00	0.00
Batch sea a sur.Queue	0.00	0.00	0.00	0.00	0.00	0.00
Charge Transport and Discharge.Queue	0.00	0.00	0.00	0.00	0.00	0.00
Hold until 3.Queue	0.00	0.00	0.00	0.00	0.00	0.00
Hold until 5.Queue	0.00	0.00	0.00	0.00	0.00	0.00
Hub Caleta Cordova.Queue	0.00	0.00	0.00	0.00	0.00	0.00
Hub Caleta Oliva.Queue	0.00	0.00	0.00	0.00	0.00	0.00
Hub Cordoba free.Queue	0.00	0.00	0.00	0.00	0.00	0.00
Hub Oliva free.Queue	0.00	0.00	0.00	0.00	0.00	0.00
Hub Puerto Rosales.Queue	0.00	0.00	0.00	0.00	0.00	0.00
Land transport.Queue	0.00	0.00	0.00	0.00	0.00	0.00
Transport Cord a PR and travel back AFRA.Queue	0.00	0.00	0.00	0.00	0.00	0.00
Transport Cord a PR and travel back.Queue	0.00	0.00	0.00	0.00	0.00	0.00
Transport Oliva a PR and travel back.Queue	0.00	0.00	0.00	0.00	0.00	0.00
Transport Olivia a PR and travel back AFRA.Queue	0.00	0.00	0.00	0.00	0.00	0.00

Other

HACKATON PAE

Replications: 100 Time Units: Hours

Queue

Other

Number Waiting	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Batch Cor Pr.Queue	1.9480	0.01	1.8688	2.0363	0.00	7.0000
Batch Cord PR Afra.Queue	3.4628	0.00	3.4204	3.5167	0.00	10.0000
Batch Land.Queue	0.00115031	0.00	0.00113336	0.00116410	0.00	5.0000
Batch ol PR.Queue	1.6463	0.00	1.6205	1.6753	0.00	7.0000
Batch Olivia PR Afra.Queue	2.3068	0.00	2.2785	2.3293	0.00	8.0000
Batch sea a sur.Queue	0.5452	0.00	0.5369	0.5556	0.00	3.0000
Charge Transport and Discharge.Queue	0.5615	0.00	0.5504	0.5716	0.00	5.0000
Hold until 3.Queue	0.06633288	0.00	0.04627413	0.08308466	0.00	17.0000
Hold until 5.Queue	0.9772	0.00	0.9723	0.9827	0.00	2.0000
Hub Caleta Cordova.Queue	0.2519	0.01	0.1707	0.3871	0.00	22.0000
Hub Caleta Oliva.Queue	0.00	0.00	0.00	0.00	0.00	0.00
Hub Cordoba free.Queue	0.00095651	0.00	0.00	0.01969768	0.00	24.0000
Hub Oliva free.Queue	0.00	0.00	0.00	0.00	0.00	0.00
Hub Puerto Rosales.Queue	0.5052	0.00	0.4922	0.5159	0.00	11.0000
Land transport.Queue	0.9079	0.00	0.9047	0.9111	0.00	2.0000
Transport Cord a PR and travel back AFRA.Queue	0.00	0.00	0.00	0.00	0.00	0.00
Transport Cord a PR and travel back.Queue	0.06227687	0.00	0.05751791	0.06688165	0.00	4.0000
Transport Oliva a PR and travel back.Queue	0.04534487	0.00	0.04186126	0.04897019	0.00	1.0000
Transport Olivia a PR and travel back AFRA.Queue	0.00069923	0.00	0.00	0.00287380	0.00	1.0000

Values Across All Replications

HACKATON PAE

Replications: 100 Time Units: Hours

Resource

Usage

Instantaneous Utilization	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Aframax	0.5008	0.00	0.4987	0.5034	0.00	1.0000
Camion	1.0000	0.00	1.0000	1.0000	0.00	1.0000
Panamax	0.9785	0.00	0.9768	0.9806	0.00	1.0000
Puerto Cordova	0.00	0.00	0.00	0.00	0.00	0.00
Puerto Oliva	0.00	0.00	0.00	0.00	0.00	0.00
Number Busy	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Aframax	1.0016	0.00	0.9974	1.0068	0.00	2.0000
Camion	1.0000	0.00	1.0000	1.0000	0.00	1.0000
Panamax	2.9356	0.00	2.9304	2.9418	0.00	3.0000
Puerto Cordova	0.00	0.00	0.00	0.00	0.00	0.00
Puerto Oliva	0.00	0.00	0.00	0.00	0.00	0.00
Number Scheduled	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Aframax	2.0000	0.00	2.0000	2.0000	2.0000	2.0000
Camion	1.0000	0.00	1.0000	1.0000	1.0000	1.0000
Panamax	3.0000	0.00	3.0000	3.0000	3.0000	3.0000
Puerto Cordova	1.0000	0.00	1.0000	1.0000	1.0000	1.0000
Puerto Oliva	1.0000	0.00	1.0000	1.0000	1.0000	1.0000

Values Across All Replications

HACKATON PAE

Replications: 100 Time Units: Hours

Resource

Usage

Scheduled Utilization	Average	Half Width	Minimum Average	Maximum Average
Aframax	0.5008	0.00	0.4987	0.5034
Camion	1.0000	0.00	1.0000	1.0000
Panamax	0.9785	0.00	0.9768	0.9806
Puerto Cordova	0.00	0.00	0.00	0.00
Puerto Oliva	0.00	0.00	0.00	0.00



Total Number Seized	Average	Half Width	Minimum Average	Maximum Average
Aframax	1770.16	0.79	1762.00	1779.00
Camion	7300.00	0.00	7300.00	7300.00
Panamax	8000.67	1.71	7977.00	8027.00
Puerto Cordova	0.00	0.00	0.00	0.00
Puerto Oliva	0.00	0.00	0.00	0.00



Cost

Values Across All Replications

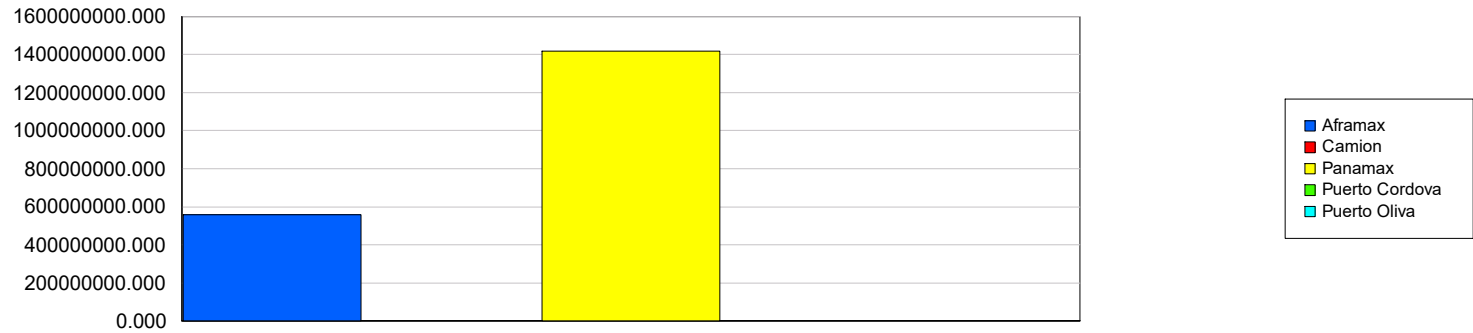
HACKATON PAE

Replications: 100 Time Units: Hours

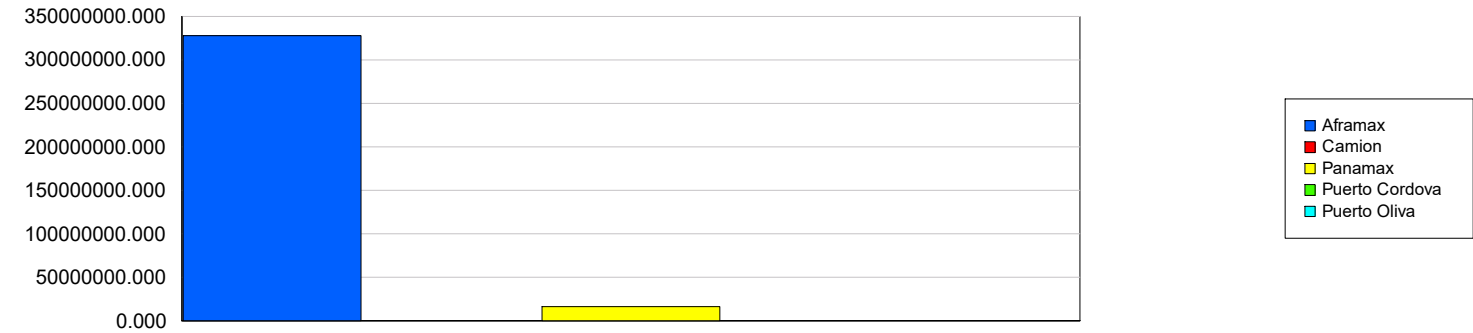
Resource

Cost

Busy Cost	Average	Half Width	Minimum Average	Maximum Average
Aframax	557908176	239,050.59	555636161	560591718
Camion	0.00	0.00	0.00	0.00
Panamax	***** **	216,447.16	***** **	***** **
Puerto Cordova	0.00	0.00	0.00	0.00
Puerto Oliva	0.00	0.00	0.00	0.00



Idle Cost	Average	Half Width	Minimum Average	Maximum Average
Aframax	327967453	139,908.57	326282430	329339339
Camion	0.00	0.00	0.00	0.00
Panamax	16460659	115,205.95	14888378	17803987
Puerto Cordova	0.00	0.00	0.00	0.00
Puerto Oliva	0.00	0.00	0.00	0.00



Values Across All Replications

HACKATON PAE

Replications: 100 Time Units: Hours

Resource

Cost

Usage Cost	Average	Half Width	Minimum Average	Maximum Average
Aframax	0.00	0.00	0.00	0.00
Camion	0.00	0.00	0.00	0.00
Panamax	0.00	0.00	0.00	0.00
Puerto Cordova	0.00	0.00	0.00	0.00
Puerto Oliva	0.00	0.00	0.00	0.00