HACKATON PAE

Replications: 100 Time Units: Hours

Key Performance Indicators

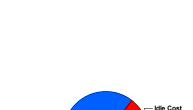
Average

All Entities	Average
Non-Value Added Cost	1,977,195,820
Other Cost	0
Transfer Cost	0
Value Added Cost	0
Wait Cost	0
Total Cost	1,977,195,820



All Resources

Busy Cost 1,977,195,820 *
Idle Cost 344,412,877
Usage Cost 0



NVA Cost

Total Cost 2,321,608,697

System

 Average

 Total Cost
 2,321,608,697

 Number Out
 13,675

^{*} these costs are included in Entity Costs above.

August 27, 2022

Category Overview

Values Across All Replications

HACKATON PAE

Replications: 100 Time Units: Hours

Entity

Time

Crudo Mediano 50.1858 0.04 49.6794 50.6969 24.0000 3 Crudo pesado 171.55 0.33 167.08 175.42 117.32 4 Wait Time Average Half Width Minimum Maximum Minimum	VA Time	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
NVA Time Average Half Width Minimum Average Maximum Average Minimum Value Maximum Value Minimum Value <td>Crudo Mediano</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td>	Crudo Mediano	0.00	0.00	0.00	0.00	0.00	0.00
Crudo Mediano 50.1858 0.04 49.6794 50.6969 24.0000 3 Crudo pesado 171.55 0.33 167.08 175.42 117.32 4 Wait Time Average Half Width Minimum Maximum Minimum	Crudo pesado	0.00	0.00	0.00	0.00	0.00	0.00
Crudo pesado 171.55 0.33 167.08 175.42 117.32 4 Wait Time Average Half Width Minimum Average Maximum Average Minimum Average Average<	NVA Time	Average	Half Width				Maximum Value
Wait Time Average Half Width Minimum Average Maximum Average Minimum Value Crudo Mediano 107.52 0.22 105.18 110.12 6.0167 77 Crudo pesado 689.57 1.36 672.22 704.54 180.09 61 Transfer Time Average Half Width Minimum Average Average Value Maximum Average Value Maximum Average Value Maximum Average Minimum Average Minimum Average Maximum Average Value Maximum Average Minimum Average Maximum Average Minimum Average Maximum Average Minimum Average Maximum Average Minimum Average Maximum Average Value Maximum Average Value Maximum Average Value	Crudo Mediano	50.1858	0.04	49.6794	50.6969	24.0000	332.00
Crudo Mediano 107.52 0.22 105.18 110.12 6.0167 77 Crudo pesado 689.57 1.36 672.22 704.54 180.09 61 Transfer Time Average Half Width Minimum Average Maximum Average							

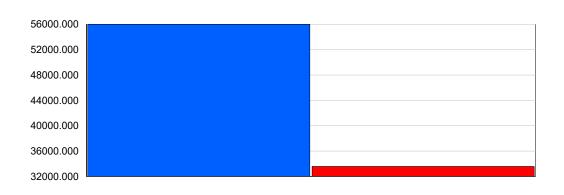
HACKATON PAE

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	105438.19	138.19	103845.13	106943.82	0.00	931719.92
Crudo pesado	469297.11	996.79	454904.02	480144.55	257569.35	1213032
Other						
Number In	Average	Half Width	Minimum Average	Maximum Average		
Crudo Mediano	55968.47	8.19	55860.00	56086.00		
Crudo pesado	33599.99	9.48	33478.00	33709.00		



■ Crudo Mediano
■ Crudo pesado

Number Out	Average	Half Width	Minimum Average	Maximum Average
Crudo Mediano	55951.25	8.15	55843.00	56067.00
Crudo pesado	33557.81	9.47	33426.00	33665.00

3:08:00PM Category Overview

August 27, 2022

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	15.9653	0.00	15.9086	16.0259	0.00	34.0000
Crudo pesado	40.9575	0.01	40.7858	41.1192	0.00	103.00

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	83.6504	0.28	79.8115	87.8365	0.00	168.00
Batch Cord PR Afra.Queue	57.6876	0.06	56.9316	58.5264	0.00	168.00
Batch Land.Queue	0.01498359	0.00	0.01479359	0.01520425	0.00	0.01666667
Batch ol PR.Queue	129.59	0.11	128.40	130.90	0.00	168.00
Batch Olivia PR Afra.Queue	79.6488	0.04	79.1657	80.0424	0.00	168.00
Batch sea a sur.Queue	4.9912	0.01	4.9204	5.0865	0.00	120.00
Charge Transport and	15.4288	0.03	15.0476	15.7414	0.00	196.89
Discharge.Queue						
Hold until 3.Queue	0.6058	0.01	0.4231	0.7604	0.00	81.4844
Hold until 5.Queue	12.7253	0.01	12.5510	12.9314	0.00	29.9833
Hub Caleta Cordova.Queue	3.0144	0.09	2.0480	4.6454	0.00	544.13
Hub Caleta Oliva.Queue	0.00018118	0.00	0.00	0.00164818	0.00	6.0167
Hub Cordoba free.Queue	0.01116033	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	2.7163	0.01	2.6433	2.7726	0.00	52.8878
Land transport.Queue	21.7880	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	11.8643	0.06	11.0860	12.6404	0.00	102.97
Transport Oliva a PR and travel back.Queue	11.3435	0.08	10.4643	12.1869	0.00	55.7592
Transport Olivia a PR and travel back AFRA.Queue	0.1768	0.03	0.00	0.7071	0.00	100.27

Cost

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	1.9486	0.01	1.8688	2.0363	0.00	7.0000
Batch Cord PR Afra.Queue	3.4631	0.00	3.4156	3.5167	0.00	10.0000
Batch Land.Queue	0.00115058	0.00	0.00113336	0.00116410	0.00	5.0000
Batch ol PR.Queue	1.6465	0.00	1.6223	1.6753	0.00	7.0000
Batch Olivia PR Afra.Queue	2.3064	0.00	2.2799	2.3292	0.00	8.0000
Batch sea a sur.Queue	0.5452	0.00	0.5359	0.5556	0.00	3.0000
Charge Transport and Discharge.Queue	0.5617	0.00	0.5504	0.5716	0.00	5.0000
Hold until 3.Queue	0.06615760	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	0.2513	0.01	0.1707	0.3871	0.00	22.0000
Hub Caleta Oliva.Queue	0.00000755	0.00	0.00	0.00006868	0.00	1.0000
Hub Cordoba free.Queue	0.00093009	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	0.5053	0.00	0.4916	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	0.06238945	0.00	0.05751791	0.06688165	0.00	4.0000
Transport Oliva a PR and travel back.Queue	0.04540400	0.00	0.04186126	0.04897019	0.00	1.0000
Transport Olivia a PR and travel back AFRA.Queue	0.00071347	0.00	0.00	0.00287380	0.00	1.0000

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	0.9786	0.00	0.9770	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	1.0067	0.00	2.0000
Camion	1.0000	0.00	1.0000	1.0000	0.00	1.0000
Panamax	2.9357	0.00	2.9311	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

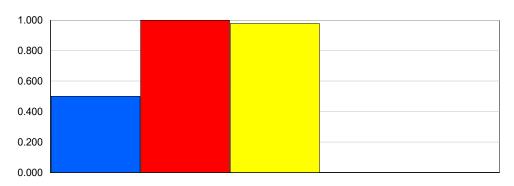
HACKATON PAE

Replications: 100 Time Units: Hours

Resource

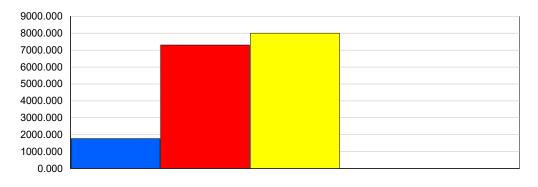
Usage

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	0.9786	0.00	0.9770	0.9806
Puerto Cordova	0.00	0.00	0.00	0.00
Puerto Oliva	0.00	0.00	0.00	0.00



AframaxCamionPanamaxPuerto CordovaPuerto Oliva
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Total Number Seized	Average	Half Width	Minimum Average	Maximum Average
Aframax	1770.15	0.78	1762.00	1779.00
Camion	7300.00	0.00	7300.00	7300.00
Panamax	8000.31	1.75	7977.00	8027.00
Puerto Cordova	0.00	0.00	0.00	0.00
Puerto Oliva	0.00	0.00	0.00	0.00



Aframax
Camion
Panamax
Puerto Cordova
Puerto Oliva

Cost

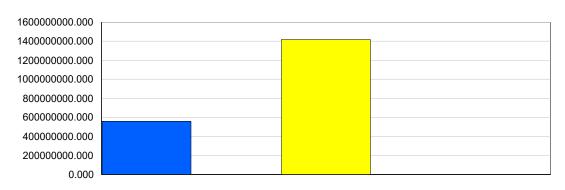
HACKATON PAE

Replications: 100 Time Units: Hours

Resource

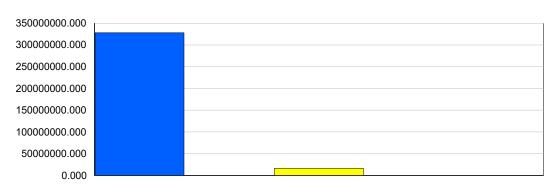
Cost

Busy Cost	Average	Half Width	Minimum Average	Maximum Average
Aframax	557898157	232,169.31	555636161	560591616
Camion	0.00	0.00	0.00	0.00
Panamax	*******	225,019.92	********	*******
Puerto Cordova	0.00	0.00	0.00	0.00
Puerto Oliva	0.00	0.00	0.00	0.00



■ Aframax ■ Camion □ Panamax □ Puerto Cordova	
■ Puerto Cordova ■ Puerto Oliva	

Idle Cost	Average	Half Width	Minimum Average	Maximum Average	
Aframax	327967835	137,652.49	326294554	329339339	
Camion	0.00	0.00	0.00	0.00	
Panamax	16445042	118,839.84	14888378	17615519	
Puerto Cordova	0.00	0.00	0.00	0.00	
Puerto Oliva	0.00	0.00	0.00	0.00	



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	