

KGQuant Single Run Report

Overloaded Clinic

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Dashboard: <https://kgquant.com/demonstrations/overloaded-clinic/>

Executive Summary

Network	Overloaded Clinic
Run type	Single
Single run	net_9dbc68_single_run_572a13
Status	Completed
Profit	£9,850.00
Total revenue	£31,750.00
Total cost	£21,900.00

Recommendations

Issue	Evidence	Suggested intervention	Scenario to run
Resource "Doctors" is overloaded at 91% utilization.	Utilization = 91.4%	Add capacity to "Doctors" or reduce demand on activities using it.	Increase "Doctors" capacity by 50% and re-run.

Run Details

Resources

resource	utilization	cost
Consultation Rooms	68.54	1920.0
Doctors	91.38	6600.0
Nurses	49.61	2160.0

Activities

activity	completed	blocked	cost
Nurse Pre-check	400	0.0	1600.0
Doctor Consultation	390	0.0	7020.0

Queues

storage_queue	avg_q_size	avg_q_time	cost
Waiting Room	1.1	00:02:38	0.0
Room Queue	7.63	00:43:22	0.0

Exit Points

exit_point	completed	avg_time	revenue
Discharge	390	01:12:39	29250.0