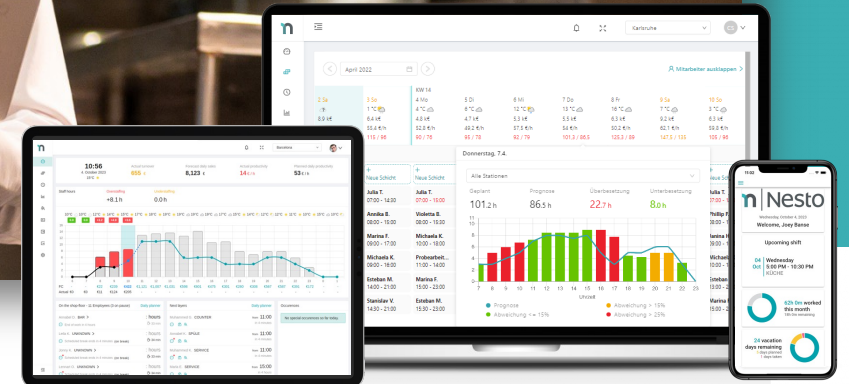




Making Restaurants Smart

Using Machine Learning and Mathematical Optimization

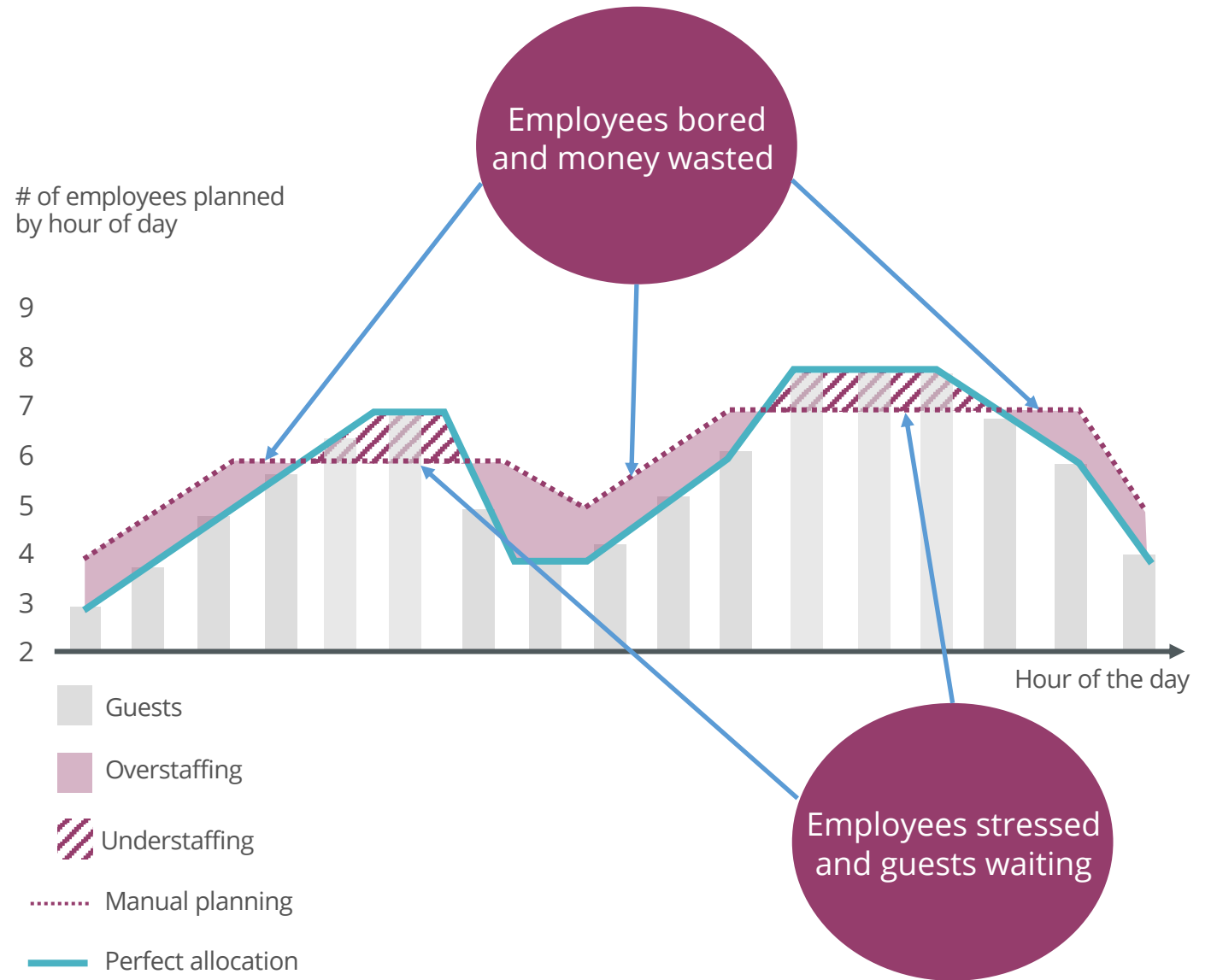




STATUS QUO

Manual labor planning takes forever and leads to non-optimal solutions.

- Guests and employees not satisfied, especially in peak times
- 20-30% profit wasted
- Manager strongly occupied with planning and administration
- Often: unlawful rosters



PROBLEM FROM THE MANAGER'S PERSPECTIVE

The Manager is responsible for economic success, guest experience, and employee satisfaction, but spends most of the time on bureaucracy.

JOE'S PROBLEM

Joe is a young restaurant manager of a large restaurant chain.

Joe spends
10+h/week
on staff planning and
20-30%
of profit margin left on the
table due to misallocations

The future
Demand
is unknown and
very volatile during
the day

**Legal
Restrictions**
must be obeyed

Employees are
unhappy if
Preferences
are not met

Workforce planning is challenging but very important for profitability.

Guest experience



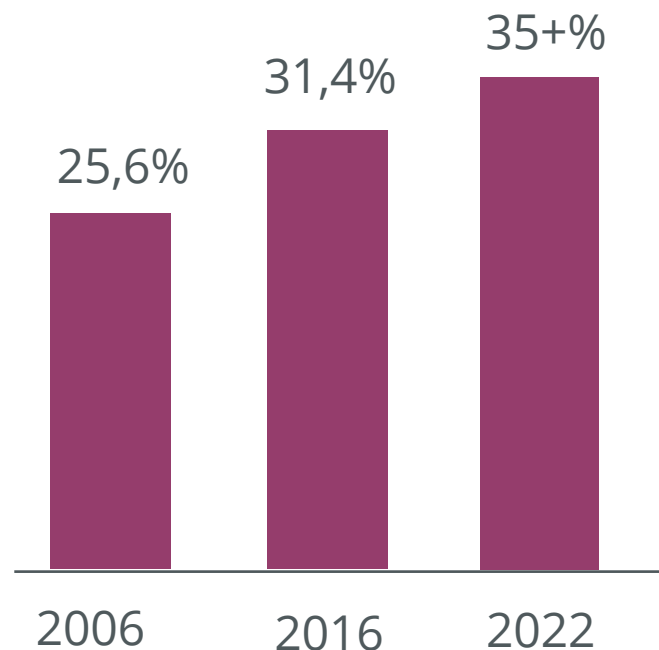
- Operation freq.
- Waiting time (direct)



- Staff satisfaction (indirect)

Labor costs

Labor cost ratio:



Additional challenges



Minimum wage increase



Complexity of labor law



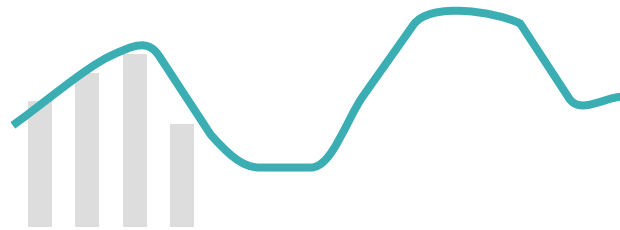
Skilled labor shortage

OUR SOLUTION

AI creates perfect rosters with a single click that fit the forecasted demand and consider employee preferences, laws, skills etc.

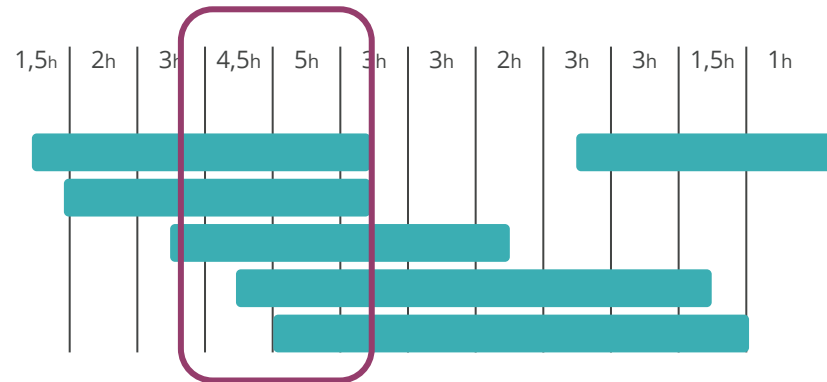
Forecast workload

historic data combined with external factors such as weather, traffic, events, corona incidence, brand trend,...



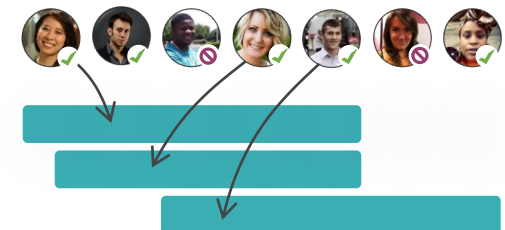
Propose optimal shifts

perfect overlapping during peak and handover times & utilizing break times to avoid overstaffing



Assign employees

considering legal restrictions, absences, staff preferences, contract details, employee skills and experience...



Nesto is fueled by ML & Gurobi



**Get a glimpse into
our product!**

NESTO DEMO

- 🏠 Dashboard
- 📅 Labor Scheduling
- 📅 Day Planner
- 📅 Week Planner
- 📅 Month Planner
- 👤 Staff Planner Beta
- 🕒 Recorded Working Times
- 📊 Reporting
- 👤 Employees
- 🏠 My Nesto
- 💰 Payroll
- 📄 Export
- ⚙️ Settings

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Automatic planning assistant ▾

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CW 44							CW 45							CW 46	
30 Mo	31 Tu	1 We	2 Th	3 Fr	4 Sa	5 Su	6 Mo	7 Tu	8 We	9 Th	10 Fr	11 Sa	12 Su	13 Mo	
🔍	🔍	🔍	🔍	🔍	🔍	🔍	🔍	🔍	🔍	🔍	🔍	🔍	🔍	🔍	
8.0 k€	8.0 k€	7.4 k€	7.2 k€	7.4 k€	7.7 k€	7.6 k€	7.4 k€	7.2 k€	7.6 k€	7.4 k€	7.7 k€	7.4 k€	7.7 k€	7.0 k€	
68.6 € / h	70.4 € / h	-	-	-	-	-	-	-	-	-	-	-	-	-	
17.81%	17.22%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
117.3 / 119	113.5 / 119	0 / 106	0 / 104	0 / 110	0 / 111	0 / 109	0 / 104	0 / 105	0 / 107	0 / 106	0 / 110	0 / 110	0 / 111	0 / 103	

Service ▾

		Allerheiligen																	
		New shift		New shift		New shift		New shift		New shift		New shift		New shift		New shift		New shift	
Iven Lubina 08:15 - 14:00	Leila Klein 08:15 - 15:00	🕒 10:00 - 14:00	🕒 10:00 - 14:00	🕒 10:00 - 14:00	🕒 10:00 - 14:00	🕒 09:00 - 14:00	🕒 10:00 - 14:00	🕒 10:00 - 14:00	🕒 10:00 - 14:00	🕒 10:00 - 14:00	🕒 10:00 - 14:00	🕒 10:00 - 14:00	🕒 10:00 - 14:00	🕒 10:00 - 14:00	🕒 09:00 - 14:00	🕒 10:00 - 14:00	🕒 10:00 - 14:00	🕒 10:00 - 14:00	
Amalia Reichardt 08:15 - 15:00	Lennox Viellehner 08:15 - 16:00	🕒 11:00 - 20:30	🕒 11:00 - 20:30	🕒 11:00 - 15:00	🕒 10:30 - 14:00	🕒 10:00 - 14:00	🕒 11:00 - 20:30	🕒 11:00 - 14:30	🕒 11:00 - 14:30	🕒 11:00 - 20:30	🕒 11:00 - 20:30	🕒 11:00 - 15:00	🕒 11:00 - 15:00	🕒 11:00 - 15:00	🕒 10:30 - 14:00	🕒 10:00 - 14:00	🕒 11:00 - 15:00	🕒 11:00 - 15:00	
Leana Plass 10:15 - 17:00	Leana Plass 11:00 - 17:00	🕒 11:00 - 15:00	🕒 11:00 - 14:30	🕒 11:00 - 15:00	🕒 11:00 - 20:30	🕒 11:00 - 20:30	🕒 11:00 - 15:00	🕒 11:00 - 20:30	🕒 11:00 - 20:30	🕒 11:00 - 20:30	🕒 11:00 - 20:30	🕒 11:00 - 15:00	🕒 11:00 - 15:00	🕒 11:00 - 15:00	🕒 11:00 - 19:30	🕒 11:00 - 17:00	🕒 11:00 - 17:00	🕒 11:00 - 17:00	
Emmely Gens 11:00 - 17:00	Amalia Reichardt 11:00 - 17:00	🕒 11:00 - 17:00	🕒 11:00 - 15:00	🕒 11:00 - 20:30	🕒 11:00 - 15:00	🕒 11:00 - 20:30	🕒 11:00 - 17:00	🕒 11:00 - 15:00	🕒 11:00 - 15:00	🕒 11:00 - 17:00	🕒 11:00 - 15:00	🕒 11:00 - 17:00	🕒 11:00 - 20:30	🕒 11:15 - 20:45	🕒 11:00 - 14:30	🕒 11:00 - 20:30	🕒 11:00 - 20:30	🕒 11:00 - 20:30	
Lennart Obergf... 12:15 - 23:00	Muhammed Koha 11:00 - 14:00	🕒 11:00 - 14:30	🕒 14:30 - 23:00	🕒 12:00 - 21:00	🕒 12:30 - 22:00	🕒 11:00 - 15:00	🕒 11:00 - 14:30	🕒 13:00 - 22:00	🕒 11:00 - 19:30	🕒 17:00 - 23:00	🕒 12:00 - 21:00	🕒 13:00 - 22:00	🕒 13:00 - 22:00	🕒 13:00 - 22:00	🕒 13:00 - 22:00	🕒 17:00 - 23:00	🕒 17:00 - 23:00	🕒 17:00 - 23:00	
Jonny Kuprion 17:00 - 23:00	Lennart Obergföll 16:00 - 23:00	🕒 17:00 - 23:00	🕒 18:00 - 23:00	🕒 18:00 - 22:00	🕒 17:00 - 22:00	🕒 17:00 - 23:00	🕒 17:00 - 23:00	🕒 18:00 - 23:00	🕒 18:00 - 23:00	🕒 18:00 - 23:00	🕒 18:00 - 23:00	🕒 18:00 - 23:00	🕒 18:00 - 22:00	🕒 17:30 - 23:00	🕒 18:00 - 23:00	🕒 18:00 - 23:00	🕒 18:00 - 23:00	🕒 18:00 - 23:00	
Hamza Schahb... 19:00 - 00:00	Emmely Gens 17:00 - 23:00	🕒 18:00 - 23:00	🕒 19:30 - 23:00	🕒 20:00 - 00:00	🕒 20:00 - 00:00	🕒 19:30 - 23:00	🕒 18:00 - 23:00	🕒 19:00 - 23:00	🕒 19:30 - 23:00	🕒 19:30 - 23:00	🕒 20:00 - 00:00	🕒 20:00 - 00:00	🕒 19:00 - 23:00	🕒 19:30 - 23:00	🕒 19:30 - 23:00	🕒 19:30 - 23:00	🕒 19:30 - 23:00	🕒 19:30 - 23:00	
	Muhammed Koha 19:30 - 00:00			🕒 20:00 - 00:00	🕒 20:00 - 00:00						🕒 20:00 - 00:00	🕒 20:00 - 00:00	🕒 19:30 - 23:00						

- > Bar
- > Kitchen
- > Dishwasher
- > Manager

NESTO DEMO



Karlsruhe



Dashboard

Labor Scheduling

Day Planner

Week Planner

Month Planner

Staff Planner Beta

Recorded Working Times

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My Nesto

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Automatic planning assistant



CW 44							CW 45							CW 46	
30 Mo	31 Tu	1 We	2 Th	3 Fr	4 Sa	5 Su	6 Mo	7 Tu	8 We	9 Th	10 Fr	11 Sa	12 Su	13 Mo	
?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	
8.0 k€	8.0 k€	7.4 k€	7.2 k€	7.4 k€	7.7 k€	7.6 k€	7.4 k€	7.2 k€	7.6 k€	7.4 k€	7.7 k€	7.4 k€	7.7 k€	7.0 k€	
68.6 €/h	70.4 €/h	-	-	-	-	-	-	-	-	-	-	-	-	-	
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117.3 / 119	113.5 / 119	0 / 106	0 / 104	0 / 110	0 / 111	0 / 109	0 / 104	0 / 105	0 / 107	0 / 106	0 / 110	0 / 110	0 / 111	0 / 103	

- > Service
- > Bar
- > Kitchen
- > Dishwasher
- > Manager



NESTO DEMO



- Dashboard
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>
Automatic planning assistant
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Allerheligen																	
CW 44	30 Mo	31 Tu	1 We	2 Th	3 Fr	4 Sa	5 Su	CW 45	6 Mo	7 Tu	8 We	9 Th	10 Fr	11 Sa	12 Su	CW 46	13 Mo
8.0 k€	8.0 k€	7.4 k€	7.2 k€	7.4 k€	7.7 k€	7.6 k€	7.4 k€	7.2 k€	7.6 k€	7.4 k€	7.7 k€	7.4 k€	7.7 k€	7.4 k€	7.7 k€	7.0 k€	
68.6 €/h	70.4 €/h	-	-	-	850.4 €/h	-	-	-	-	-	-	-	-	-	-	-	
17.81%	17.22%	0.00%	0.00%	0.00%	1.44%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
117.3 / 119	113.5 / 119	0 / 106	0 / 104	0 / 110	9 / 111	0 / 109	0 / 104	0 / 105	0 / 107	0 / 106	0 / 110	0 / 110	0 / 111	0 / 111	0 / 103		

Service

	30 Mo	31 Tu	1 We	2 Th	3 Fr	4 Sa	5 Su	6 Mo	7 Tu	8 We	9 Th	10 Fr	11 Sa	12 Su	13 Mo
Iven Lubina 08:15 - 14:00	Leila Klein 08:15 - 15:00	New shift 10:00 - 14:00	New shift 10:00 - 14:00	New shift 10:00 - 14:00	New shift 10:00 - 14:00	New shift 10:00 - 14:00	New shift 09:00 - 14:00	New shift 10:00 - 14:00	New shift 10:00 - 14:00	New shift 10:00 - 14:00	New shift 10:00 - 14:00	New shift 10:00 - 14:00	New shift 10:00 - 14:00	New shift 09:00 - 14:00	New shift 10:00 - 14:00
Amalia Reichardt 08:15 - 15:00	Lennox Viellehner 08:15 - 16:00	New shift 11:00 - 20:30	New shift 11:00 - 20:30	New shift 11:00 - 15:00	New shift 10:30 - 14:00	New shift 10:00 - 14:00	New shift 10:00 - 14:00	New shift 11:00 - 20:30	New shift 11:00 - 14:30	New shift 11:00 - 14:30	New shift 11:00 - 20:30	New shift 11:00 - 15:00	New shift 10:30 - 14:00	New shift 10:00 - 14:00	New shift 11:00 - 15:00
Leana Plass 10:15 - 17:00	Leana Plass 11:00 - 17:00	New shift 11:00 - 15:00	New shift 11:00 - 14:30	New shift 11:00 - 15:00	New shift 11:00 - 20:30	New shift 11:00 - 20:30	New shift 11:00 - 20:30	New shift 11:00 - 15:00	New shift 11:00 - 20:30	New shift 11:00 - 20:30	New shift 11:00 - 15:00	New shift 11:00 - 15:00	New shift 11:00 - 15:00	New shift 11:00 - 19:30	New shift 11:00 - 17:00
Emmely Gens 11:00 - 17:00	Amalia Reichardt 11:00 - 17:00	New shift 11:00 - 17:00	New shift 11:00 - 15:00	New shift 11:00 - 20:30	New shift 11:00 - 15:00	New shift 11:00 - 20:30	New shift 11:00 - 20:30	New shift 11:00 - 17:00	New shift 11:00 - 15:00	New shift 11:00 - 15:00	New shift 11:00 - 17:00	New shift 11:00 - 20:30	New shift 11:15 - 20:45	New shift 11:00 - 14:30	New shift 11:00 - 20:30
Lennart Obergf... 12:15 - 23:00	Muhammed Koha 11:00 - 14:00	New shift 11:00 - 14:30	New shift 14:30 - 23:00	New shift 12:00 - 21:00	Joey Banse 12:00 - 17:00	New shift 11:00 - 15:00	New shift 11:00 - 14:30	New shift 13:00 - 22:00	New shift 11:00 - 19:30	New shift 17:00 - 23:00	New shift 12:00 - 21:00	New shift 13:00 - 22:00	New shift 13:00 - 22:00	New shift 13:00 - 22:00	New shift 17:00 - 23:00
Jonny Kuprion 17:00 - 23:00	Lennart Obergföll 16:00 - 23:00	New shift 17:00 - 23:00	New shift 18:00 - 23:00	New shift 18:00 - 22:00	New shift 17:00 - 22:00	New shift 17:00 - 23:00	New shift 17:00 - 23:00	New shift 18:00 - 23:00	New shift 18:00 - 23:00	New shift 18:00 - 23:00	New shift 18:00 - 23:00	New shift 18:00 - 22:00	New shift 17:30 - 23:00	New shift 18:00 - 23:00	New shift 18:00 - 23:00
Hamza Schahb... 19:00 - 00:00	Emmely Gens 17:00 - 23:00	New shift 18:00 - 23:00	New shift 19:30 - 23:00	New shift 20:00 - 00:00	Jens Baumeister 18:00 - 22:00	New shift 19:30 - 23:00	New shift 18:00 - 23:00	New shift 19:00 - 23:00	New shift 19:30 - 23:00	New shift 19:30 - 23:00	New shift 19:30 - 23:00	New shift 20:00 - 00:00	New shift 20:00 - 00:00	New shift 19:00 - 23:00	New shift 19:30 - 23:00
	Muhammed Koha 19:30 - 00:00			New shift 20:00 - 00:00	New shift 20:00 - 00:00							New shift 20:00 - 00:00	New shift 20:00 - 00:00	New shift 19:30 - 23:00	

Bar

Kitchen

NESTO DEMO

- 🏠 Dashboard
- 📅 Labor Scheduling
 - Day Planner
 - Week Planner
 - Month Planner
 - Staff Planner Beta
- 🕒 Recorded Working Times
- 📊 Reporting
- 👤 Employees
- 🏠 My Nesto
- 💰 Payroll
- 📄 Export
- ⚙️ Settings

November 2023 Automatic planning assistant

CW 44							CW 45							CW 46	
30 Mo	31 Tu	1 We	2 Th	3 Fr	4 Sa	5 Su	6 Mo	7 Tu	8 We	9 Th	10 Fr	11 Sa	12 Su	13 Mo	
8.0 k€	8.0 k€	7.4 k€	7.2 k€	7.4 k€	7.7 k€	7.6 k€	7.4 k€	7.2 k€	7.6 k€	7.4 k€	7.7 k€	7.4 k€	7.7 k€	7.0 k€	
68.6 € / h	70.4 € / h	-	-	-	463.9 € / h	-	-	-	-	-	-	-	-	-	
17.81%	17.22%	0.00%	0.00%	0.00%	1.44%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
117.3 / 119	113.5 / 119	0 / 106	0 / 104	0 / 110	16.5 / 111	0 / 109	0 / 104	0 / 105	0 / 107	0 / 106	0 / 110	0 / 110	0 / 111	0 / 103	

Service

	30 Mo	31 Tu	1 We	2 Th	3 Fr	4 Sa	5 Su	6 Mo	7 Tu	8 We	9 Th	10 Fr	11 Sa	12 Su	13 Mo
Iven Lubina 08:15 - 14:00	Leila Klein 08:15 - 15:00	New shift 10:00 - 14:00	New shift 10:00 - 14:00	New shift 10:00 - 14:00	New shift 10:00 - 14:00	New shift 10:00 - 14:00	New shift 09:00 - 14:00	New shift 10:00 - 14:00	New shift 10:00 - 14:00	New shift 10:00 - 14:00	New shift 10:00 - 14:00	New shift 10:00 - 14:00	New shift 10:00 - 14:00	New shift 09:00 - 14:00	New shift 10:00 - 14:00
Amalia Reichardt 08:15 - 15:00	Lennox Viellehner 08:15 - 16:00	New shift 11:00 - 20:30	New shift 11:00 - 20:30	New shift 11:00 - 15:00	New shift 10:30 - 14:00	New shift 10:00 - 14:00	New shift 10:00 - 14:00	New shift 11:00 - 20:30	New shift 11:00 - 14:30	New shift 11:00 - 14:30	New shift 11:00 - 20:30	New shift 11:00 - 15:00	New shift 10:30 - 14:00	New shift 10:00 - 14:00	New shift 11:00 - 15:00
Leana Plass 10:15 - 17:00	Leana Plass 11:00 - 17:00	New shift 11:00 - 15:00	New shift 11:00 - 14:30	New shift 11:00 - 15:00	New shift 11:00 - 20:30	New shift 11:00 - 20:30	New shift 11:00 - 15:00	New shift 11:00 - 20:30	New shift 11:00 - 20:30	New shift 11:00 - 20:30	New shift 11:00 - 15:00	New shift 11:00 - 15:00	New shift 11:00 - 15:00	New shift 11:00 - 19:30	New shift 11:00 - 17:00
Emmely Gens 11:00 - 17:00	Amalia Reichardt 11:00 - 17:00	New shift 11:00 - 17:00	New shift 11:00 - 15:00	New shift 11:00 - 20:30	New shift 11:00 - 15:00	New shift 11:00 - 20:30	New shift 11:00 - 20:30	New shift 11:00 - 17:00	New shift 11:00 - 15:00	New shift 11:00 - 15:00	New shift 11:00 - 17:00	New shift 11:00 - 20:30	New shift 11:15 - 20:45	New shift 11:00 - 14:30	New shift 11:00 - 20:30
Lennart Obergf... 12:15 - 23:00	Muhammed Koha 11:00 - 14:00	New shift 11:00 - 14:30	New shift 14:30 - 23:00	New shift 12:00 - 21:00	New shift 12:00 - 17:00	New shift 11:00 - 15:00	New shift 11:00 - 14:30	New shift 13:00 - 22:00	New shift 11:00 - 19:30	New shift 17:00 - 23:00	New shift 12:00 - 21:00	New shift 13:00 - 22:00	New shift 13:00 - 22:00	New shift 13:00 - 22:00	New shift 17:00 - 23:00
Jonny Kuprion 17:00 - 23:00	Lennart Obergföll 16:00 - 23:00	New shift 17:00 - 23:00	New shift 18:00 - 23:00	New shift 18:00 - 22:00	New shift 17:00 - 22:00	New shift 17:00 - 23:00	New shift 17:00 - 23:00	New shift 18:00 - 23:00	New shift 18:00 - 23:00	New shift 18:00 - 23:00	New shift 18:00 - 23:00	New shift 18:00 - 22:00	New shift 17:30 - 23:00	New shift 18:00 - 23:00	New shift 18:00 - 23:00
Hamza Schahb... 19:00 - 00:00	Emmely Gens 17:00 - 23:00	New shift 18:00 - 23:00	New shift 19:30 - 23:00	New shift 20:00 - 00:00	New shift 18:00 - 22:00	New shift 19:30 - 23:00	New shift 18:00 - 23:00	New shift 19:00 - 23:00	New shift 19:30 - 23:00	New shift 19:30 - 23:00	New shift 19:30 - 23:00	New shift 20:00 - 00:00	New shift 20:00 - 00:00	New shift 19:00 - 23:00	New shift 19:30 - 23:00
	Muhammed Koha 19:30 - 00:00			New shift 20:00 - 00:00		New shift 20:00 - 00:00						New shift 20:00 - 00:00	New shift 20:00 - 00:00	New shift 19:30 - 23:00	
						New shift 20:00 - 00:00									

- > Bar
- > Kitchen
- > Dishwasher

NESTO DEMO

Dashboard

Labor Scheduling

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Employees

My Nesto

Payroll

Export

Settings

November 2023 Automatic planning assistant

Allerheiligen					CW 45							CW 46			
1 We	2 Th	3 Fr	4 Sa	5 Su	6 Mo	7 Tu	8 We	9 Th	10 Fr	11 Sa	12 Su	13 Mo	14 Tu	15 We	16 Th
7.4 k€	7.2 k€	7.4 k€	7.7 k€	7.6 k€	7.4 k€	7.2 k€	7.6 k€	7.4 k€	7.7 k€	7.4 k€	7.7 k€	7.0 k€	7.2 k€	7.4 k€	7.4 k€
72.6 € / h	71.9 € / h	74.4 € / h	75.8 € / h	72.7 € / h	74.7 € / h	70.7 € / h	74.6 € / h	73.6 € / h	76.9 € / h	73.7 € / h	71.2 € / h	70.0 € / h	71.8 € / h	74.2 € / h	73.9 € / h
17.50%	16.97%	16.40%	16.24%	17.14%	16.28%	17.30%	16.20%	16.44%	15.91%	16.39%	17.56%	17.32%	16.89%	16.42%	16.24%
101.8 / 106	99.8 / 104	99.5 / 110	101 / 111	105 / 109	99.8 / 104	102.3 / 105	101.8 / 107	100.5 / 106	99.5 / 110	101 / 110	108 / 111	99.5 / 103	99.8 / 104	99.8 / 105	99.5 / 105

Service

+ New shift															
Tina Hommel 10:00 - 14:00	Muhammed Ko... 10:00 - 14:00	Amalia Reichardt 10:00 - 14:00	Stina Bickel 10:00 - 14:00	Lilly Schöckel 09:00 - 14:00	Lennox Vielleh... 10:00 - 14:00	Tina Hommel 10:00 - 14:00	Tina Hommel 10:00 - 14:00	Emmely Gens 10:00 - 14:00	Lennox Vielleh... 10:00 - 14:00	Leila Klein 10:00 - 14:00	Leila Klein 09:00 - 14:00	Iven Lubina 10:00 - 14:00	Muhammed Gr... 10:00 - 14:00	Muhammed Ko... 10:00 - 14:00	Muhammed... 10:00 - 14:00
Lennart Obergföll 11:00 - 20:30	Lennart Obergf... 11:00 - 20:30	Muhammed Gr... 11:00 - 15:00	Emmely Gens 10:30 - 14:00	Muhammed Gr... 10:00 - 14:00	Leila Klein 11:00 - 20:30	Lennox Vielleh... 11:00 - 14:30	Eleni Prah 11:00 - 14:30	Lennart Obergf... 11:00 - 20:30	Lilly Schöckel 11:00 - 15:00	Eleni Prah 10:30 - 14:00	Lennox Vielleh... 10:00 - 14:00	Lilly Schöckel 11:00 - 15:00	Leana Plass 11:00 - 16:30	Lilly Schöckel 11:00 - 15:00	Lennox Viell... 11:00 - 15:00
Leila Klein 11:00 - 15:00	Eleni Prah 11:00 - 14:30	Tina Hommel 11:00 - 15:00	Muhammed Gr... 11:00 - 20:30	Lennart Obergf... 11:00 - 20:30	Muhammed Ko... 11:00 - 15:00	Lennart Obergf... 11:00 - 20:30	Lennart Obergf... 11:00 - 20:30	Amalia Reichardt 11:00 - 15:00	Muhammed Gr... 11:00 - 15:00	Muhammed Gr... 11:00 - 15:00	Leana Plass 11:00 - 19:30	Muhammed Gr... 11:00 - 17:00	Leila Klein 11:00 - 15:00	Muhammed Gr... 11:00 - 15:00	Leana Plass 11:00 - 19:30
Lennox Viellehner 11:00 - 17:00	Muhammed Gr... 11:00 - 15:00	Lilly Schöckel 11:00 - 20:30	Lilly Schöckel 11:00 - 15:00	Leana Plass 11:00 - 20:30	Tina Hommel 11:00 - 17:00	Joey Banse 11:00 - 15:00	Amalia Reichardt 11:00 - 15:00	Joey Banse 11:00 - 17:00	Lennart Obergf... 11:00 - 20:30	Leana Plass 11:15 - 20:45	Eleni Prah 11:00 - 14:30	Lennart Obergf... 11:00 - 20:30	Amalia Reichardt 11:30 - 21:00	Lennart Obergf... 11:30 - 21:00	Lennart Obe... 11:00 - 20:30
Eleni Prah 11:00 - 14:30	Leana Plass 14:30 - 23:00	Leana Plass 12:00 - 21:00	Joey Banse 12:00 - 17:00	Tina Hommel 11:00 - 15:00	Eleni Prah 11:00 - 14:30	Leana Plass 13:00 - 22:00	Leana Plass 11:00 - 19:30	Lilly Schöckel 17:00 - 23:00	Leana Plass 12:00 - 21:00	Lennart Obergf... 13:00 - 22:00	Amalia Reichardt 13:00 - 22:00	Tina Hommel 17:00 - 23:00	Tina Hommel 16:30 - 22:00	Amalia Reichardt 15:00 - 23:00	Eleni Prah 11:00 - 14:30
Lilly Schöckel 17:00 - 23:00	Lennox Vielleh... 18:00 - 23:00	Leila Klein 18:00 - 22:00	Leila Klein 17:00 - 22:00	Muhammed Ko... 17:00 - 23:00	Muhammed Gr... 17:00 - 23:00	Amalia Reichardt 18:00 - 23:00	Joey Banse 18:00 - 23:00	Iven Lubina 18:00 - 23:00	Leila Klein 18:00 - 22:00	Lilly Schöckel 17:30 - 23:00	Lilly Schöckel 18:00 - 23:00	Jonny Kuprion 18:00 - 23:00	Lennox Vielleh... 18:00 - 23:00	Leila Klein 18:00 - 23:00	Leila Klein 18:00 - 23:00
Muhammed Gre... 18:00 - 23:00	Lilly Schöckel 19:30 - 23:00	Lennox Vielleh... 20:00 - 00:00	Jens Baumeister 18:00 - 22:00	Eleni Prah 19:30 - 23:00	Iven Lubina 18:00 - 23:00	Lilly Schöckel 19:00 - 23:00	Muhammed Gr... 19:30 - 23:00	Eleni Prah 19:30 - 23:00	Muhammed Ko... 20:00 - 00:00	Iven Lubina 20:00 - 00:00	Muhammed Gr... 19:00 - 23:00	Eleni Prah 19:30 - 23:00	Eleni Prah 19:30 - 23:00	Eleni Prah 19:30 - 23:00	Tina Homme... 19:30 - 23:00
		Iven Lubina 20:00 - 00:00	Lennox Vielleh... 20:00 - 00:00						Titus Müller 20:00 - 00:00	Muhammed Ko... 20:00 - 00:00	Tina Hommel 19:30 - 23:00				
			Muhammed Ko... 20:00 - 00:00												

Bar

Kitchen

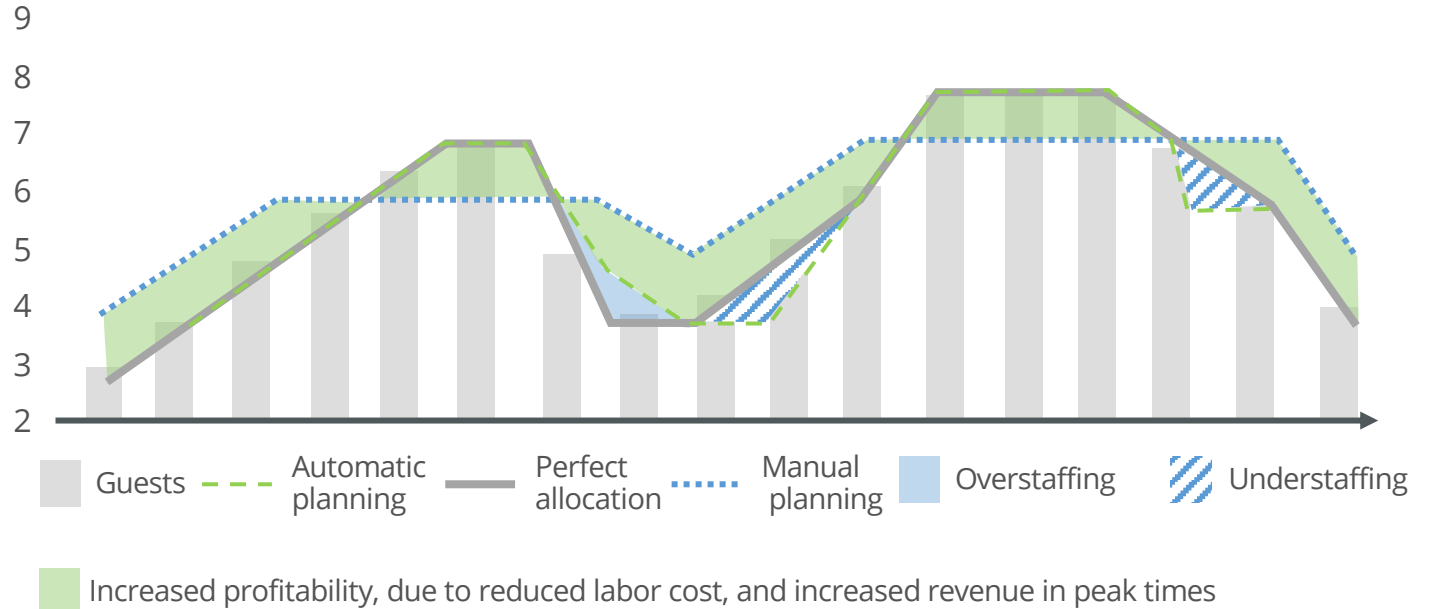
Dishwasher

AI MEETS HUMAN EXPERIENCE

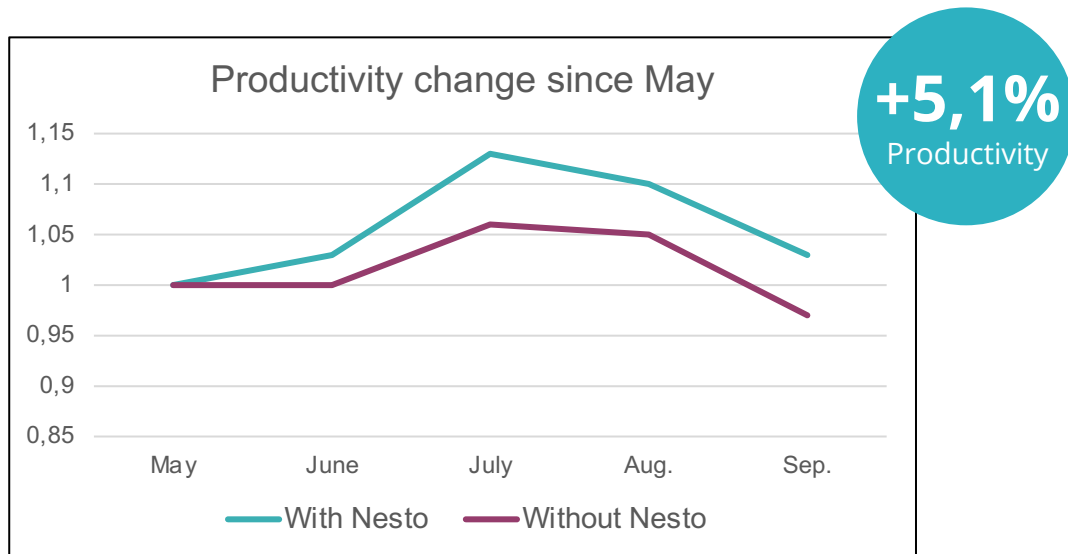
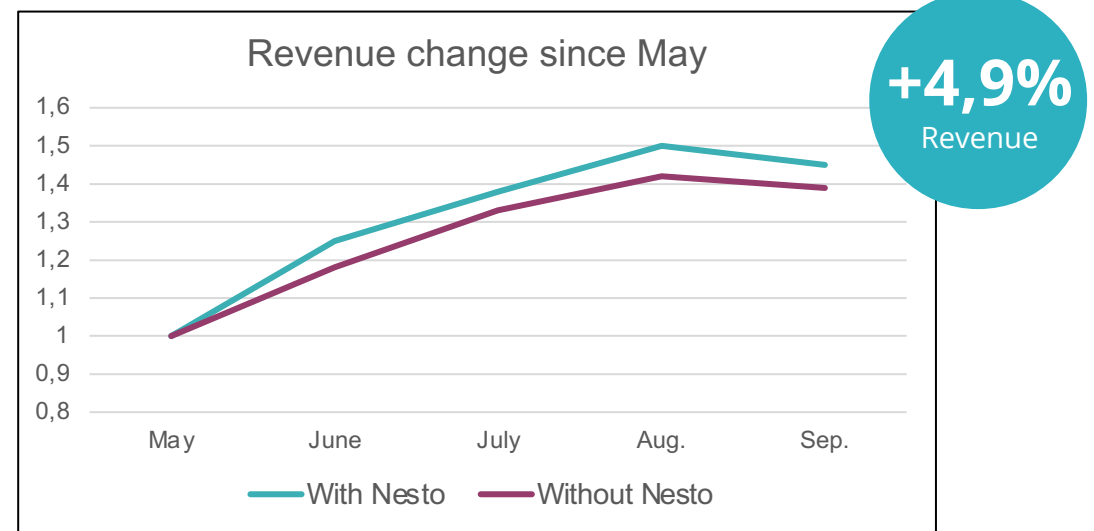
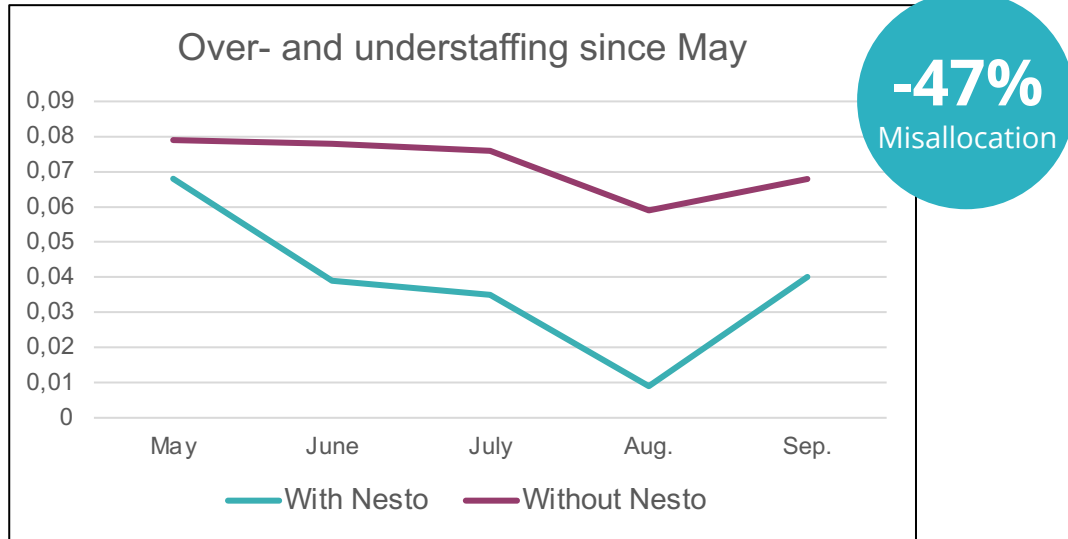
Decision intelligence makes planning optimal and faster.

- ML reduces uncertainty about the future by considering a multitude of features and observations
- Mathematical Optimization creates concrete action recommendations
- Gurobi delivers solutions in very short time
- UI is designed for non-technical users and allows manual adjustments

of employees planned by hour of day



KPI improvement based on a real-world example.



Decision intelligence has the potential to increase sales revenues while reducing personnel cost.

SUMMARY

Our AI software drives restaurant performance and enables restaurant managers to bring their attention back to their guests and employees

NESTO'S **SOLUTION**

Making restaurants smart and restaurant managers guest & people focused

AI based
Demand Forecast
which leads to optimal planning

Legal Restrictions
are obeyed

Employees are happy because their
Preferences are respected

+10h/week
Joe focuses on guests & people management and profit is increased by
20-30%



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