

Load a Excel data file

Excel file required in format 'xlsx'

Drag and drop file here

Limit 200MB per file

Browse files

15-public-holidays.xlsx
51.4KB

See the [Yumbo](#) GitHub repository for sample Excel input files.

Planing horizon

Today: 2024-12-29

Tomorrow: 2024-12-30

Last day: 2025-02-13

Report layout

Show experts overview?

Number of columns

5

Task's Gantt chart

Tasks per day

Hours per day stacked

Hours per day

Invoice period workload

Look and feel

Show Charts

Show Table

Show Commitment

Expert	Charts	Table	Commitment
Zbigniew	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Żdzisław	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Żaneta	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Date ranges

Tasks per day	2024-12-30	2025-01-14
Tasks per day stacked	2024-12-30	2025-01-14
Hours per day	2024-12-30	2025-01-14

Tasks definition

Name	Start	End	Work	Days	Workdays	Avg
aaa	2024-12-30	2025-01-10	72	12	9	8.0000
bbb	2024-12-31	2025-01-13	72	14	9	8.0000
ccc	2025-01-01	2025-01-14	72	14	9	8.0000

Experts names

Name	Comment
Żaneta	the unit alpha
Żdzisław	the unit alpha
Zbigniew	the unit alpha

Links

Expert	Task
Żaneta	aaa
Żdzisław	bbb
Zbigniew	ccc

Bounds xbdy

Expert	Task	Start	End	Lower	Upper
empty					

Bounds xbsum

Expert	Task	Start	End	Lower	Upper
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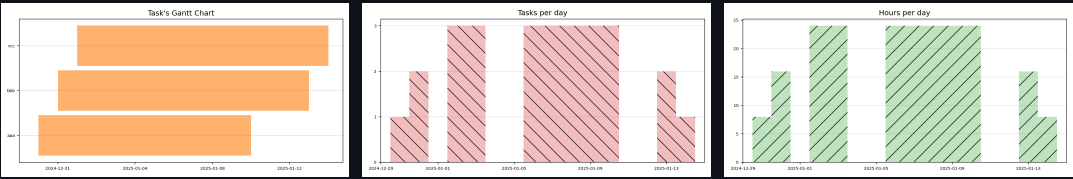
Yumbo. Scheduling, Planning and Resource Allocation

Zbigniew Romanowski, Paweł Koczyk

Source code, documentation and sample Excel input files can be found on [Yumbo's](#) GitHub repository.

22 January 2025, 11:02:11 AM

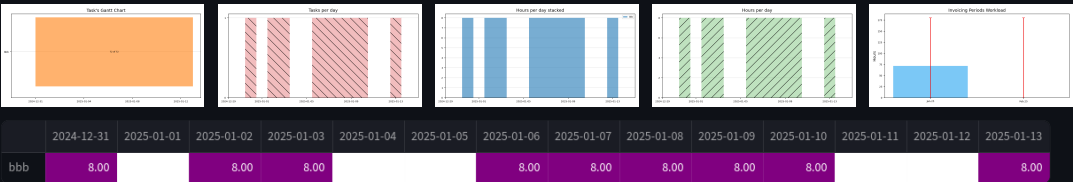
Experts overview



Zbigniew the unit alpha



Żdzisław the unit alpha



Żaneta the unit alpha



Solver output at 22 January 2025, 11:02:06 AM

```
GCG 4.0.0: tech:outlev-native = 4
feasible solution found by trivial heuristic after 0.0 seconds, objective value 1.466878e+03
presolving:
presolving (1 rounds: 1 fast, 0 medium, 0 exhaustive):
  3 deleted vars, 0 deleted constraints, 0 added constraints, 0 tightened bounds, 0 added holes, 0 changed sides, 0 changed coefficients
  0 implications, 0 cliques
transformed 1/2 original solutions to the transformed problem space
```

A Dantzig-Wolfe reformulation is applied to solve the original problem.
Presolving Time: 0.00

```
SCIP Status      : problem is solved [optimal solution found]
Solving Time (sec) : 0.00
Solving Nodes    : 0
Primal Bound     : +1.46687845674777e+03 (2 solutions)
Dual Bound       : +1.46687845674777e+03
Gap              : 0.00 %
Problem is already solved
WARNING: No dual information available when presolving was performed.
GCG 4.0.0: optimal solution; objective 1466.878457
0 simplex iterations
0 branching nodes
```