Load a Excel data file

Excel file required in format 'xlsx'

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Limit 200MB per file

Browse files

05-long-term-planning-PM.xlsx

24.7KB

See the Yumbo GitHub repository for sample Excel input files.

Today: 2024-11-20

Hours per day: 8

Customise report

Expert	df	Gantt?	Table?	Workload!	Commitment!
Radosław		☑	☐	☐	☑

Tasks definition

Name	Start day	End day	Work	Days	Workdays	Avg
p2.e	2024-11-21	2024-12-04	10	14	10	1.00
p2.m	2024-12-05	2025-04-02	170	119	84	2.02
p2.f	2025-04-03	2025-04-30	60	28	20	3.00
p3.e	2024-12-01	2024-12-13	4	13	10	0.40
p3.m	2024-12-14	2025-05-30	112	168	119	0.94
p3.f	2025-05-31	2025-06-27	24	28	20	1.20
p4.e	2024-12-16	2025-01-03	15	19	14	1.07
p4.m	2025-01-04	2025-06-30	240	168	120	2.00
p4.f	2025-06-21	2025-07-18	40	28	20	2.00

Experts names

Name	Comment
Radosław	Project Manager role

Links

Expert	Task
Radosław	p2.e
Radosław	p2.m
Radosław	p2.f
Radosław	p3.e
Radosław	p3.m
Radosław	p3.f
Radosław	p4.e
Radosław	p4.m
Radosław	p4.f

Bounds xbday

Expert	Task	Start day	End day	Lower	Upper
Radosław	p2.e	2024-11-21	2024-12-04	1	1
Radosław	p2.m	2024-12-05	2025-04-02	1	3
Radosław	p2.f	2025-04-03	2025-04-30	0	3
Radosław	p3.e	2024-12-01	2024-12-13	0	1
Radosław	p3.e	2024-12-14	2025-05-30	0	2
Radosław	p3.f	2025-06-02	2025-06-06	2	2
Radosław	p3.f	2025-06-09	2025-06-27	0	1
Radosław	p3.m	2024-12-14	2025-05-30	0	1
Radosław	p4.e	2024-12-16	2025-01-03	0	2
Radosław	p4.m	2025-01-04	2025-03-04	3	3

Bounds xbsum

Expert	Task	Start day	End day	Lower	Upper

empty

Bounds ubday

Expert	Start day	End day	Lower	Upper

empty

Bounds ubsum

Expert	Task	Start day	End day	Lower	Upper

empty

Expert bounds and preferences

Expert	Start day	End day	Lower	Upper

empty

Invoicing periods

Name	Start day	End day	Days	Workdays
25.Jan	2024-12-31	2025-01-15	36	25
25.Feb	2025-01-16	2025-02-13	29	21
25.Mar	2025-02-14	2025-03-16	31	21
25.Apr	2025-03-17	2025-04-14	29	21
25.May	2025-04-15	2025-05-18	34	24

Invoicing periods bounds

Expert	Period	Lower	Upper

empty

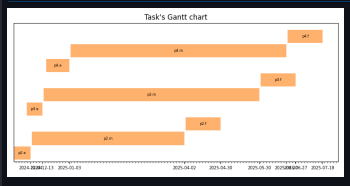
Yumbo. Scheduling, Planning and Resource Allocation

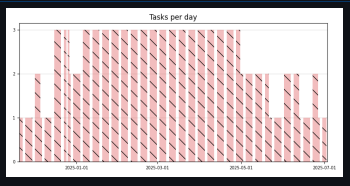
Zbigniew Romanowski, Paweł Koczyk

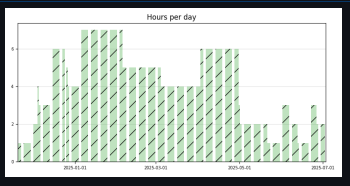
Source code, documentation and sample Excel input files can be found on Yumbo's GitHub repository.

10 January 2025, 17:54:28 PM

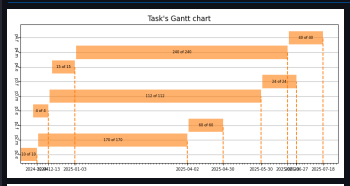
All experts overview

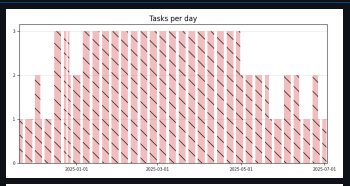


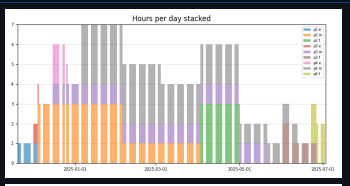


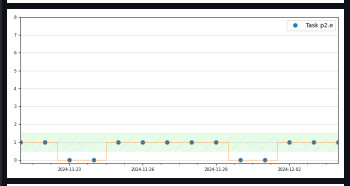


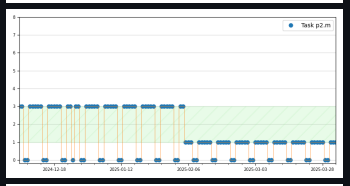
Radosław Project Manager role

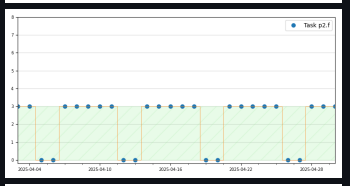


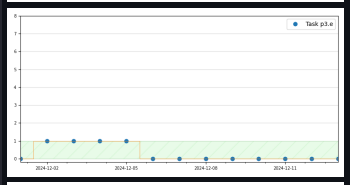


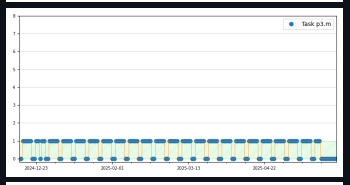


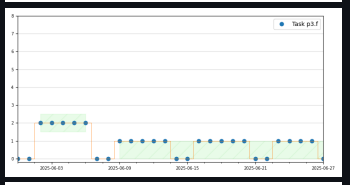


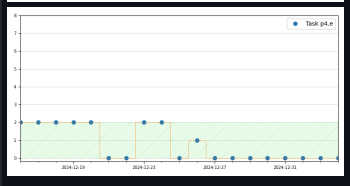


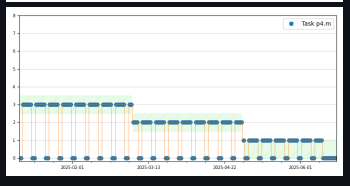


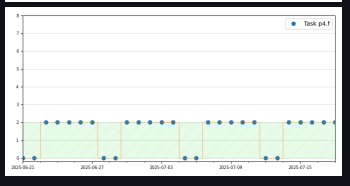












Solver output at 03 January 2025, 17:54:18 PM

```
SCIP 9.0.1:  tech:outlev native = 5
LP Solver <Soplex 7.0.1>: barrier convergence tolerance cannot be set -- tolerance of SCIP and LP solver may differ
LP Solver <Soplex 7.0.1>: fastmip setting not available -- SCIP parameter has no effect
LP Solver <Soplex 7.0.1>: number of threads settings not available -- SCIP parameter has no effect
transformed problem has 481 variables (174 bin, 92 int, 0 impl, 5 cont) and 465 constraints
    400 constraints of type <linear>

original problem has 1336 active (0.694187%) nonzeros and 1336 (0.694387%) check nonzeros

presolving:
(round 1, fast)       198 del vars, 366 del conss, 0 add conss, 3 chg bounds, 0 chg sides, 14 chg coeffs, 0 upgd conss, 0 impls, 1 clqs
(round 2, exhaustive) 198 del vars, 366 del conss, 0 add conss, 3 chg bounds, 0 chg sides, 14 chg coeffs, 15 upgd conss, 0 impls, 1 clqs
(round 3, fast)       285 del vars, 367 del conss, 0 add conss, 3 chg bounds, 0 chg sides, 14 chg coeffs, 15 upgd conss, 14 impls, 0 clqs
(round 4, exhaustive) 285 del vars, 367 del conss, 0 add conss, 3 chg bounds, 0 chg sides, 14 chg coeffs, 20 upgd conss, 14 impls, 0 clqs
   (0.0s) probing: 51/179 (28.5%) - 0 fixings, 0 aggregations, 0 implications, 0 bound changes
   (0.0s) probing aborted: 50/50 successive totally useless probings
   (0.0s) symmetry computation started: requiring bin >, int >, cont +), fixed: bin -, int -, cont -)
   (0.0s) no symmetry present (symcode time: 0.00)
cons components found: 1 undirected components at node 1, depth 0 (0)
clique table cleanup detected 0 bound changes

presolved problem has 119 active (100%) nonzeros and 119 (100%) check nonzeros

presolving (5 rounds: 5 fast, 3 medium, 3 exhaustive):
  362 deleted vars, 399 deleted constraints, 0 added constraints, 3 tightened bounds, 0 added holes, 0 changed sides, 14 changed coefficients
  20 implications, 0 cliques
presolved problem has 119 variables (119 bin, 0 int, 0 impl, 0 cont) and 1 constraints
      1 constraints of type <linear>
Presolving Time: 0.01

 time  | node  | left  |LP iter|LP it/n|mem/heur|mdpt |vars |cons |rows |cuts |sepa|confs|strbr|  dualbound   |  primalbound  |  gap   | compl.
p 0.0s|     1 |     0 |     0 |     - |  locks |   0 | 119 |   1 |   1 |   0 |  0 |   0 |   0 | 1.751423e+03 | 2.293234e+03  |  30.93% | unknown
* 0.0s|     1 |     0 |     1 |     - |    LP  |   0 | 119 |   1 |   1 |   0 |  0 |   0 |   0 | 2.239520e+03 | 2.239520e+03  |   0.00% | unknown
  0.0s|     1 |     0 |     1 |     - |  3500k |   0 | 119 |   1 |   1 |   0 |  0 |   0 |   0 | 2.239520e+03 | 2.239520e+03  |   0.00% | unknown

SCIP Status        : problem is solved [optimal solution found]
Solving Time (sec) : 0.01
Solving Nodes      : 1
Primal Bound       : +2.23952080553660l2e+03 (3 solutions)
Dual Bound         : +2.23952080553660l2e+03
Gap                : 0.00 %
WARNING: No dual information available when presolving was performed.
SCIP 9.0.1: optimal solution; objective 2239.520855
1 simplex iterations
1 branching nodes
```