

Load a Excel data file

Excel file required in format: xls/xlsx

Drag and drop file here
Limits: 200MB per file

Choose file

15-PM.Angel.xlsx
43 KB

See the [Github](#) repository for complete Excel report files.

☐ Show skipped items in Excel input file?

Today: 2024-12-30

Python data format: **ISO 8601**

Hours per day: **8**

Customise report

Number of columns

3

Col 1

Task's Gantt chart

Col 2

Tasks per day

Col 3

Hours per day stacked

Col 4

Hours per day

☐ Show all experts?

Expert

Py

Shed

Py

Taskset

Py

Constraintset

☒ Show experts overview?

Tasks definition

Name	Start day	End day	Week	Days	Workdays	Avg
delta pf	2025-02-28	2025-04-02	9	46	38	0.35
juliet pe	2025-03-09	2025-05-07	18	39	34	0.71
delta pm	2025-02-28	2025-06-26	38	221	66	0.14
juliet pf	2025-07-02	2025-09-15	9	46	34	0.15
rebo gm	2025-04-20	2025-04-20	20	11	7	1.41
rebo gm	2025-04-22	2025-05-05	56	158	113	0.44
rebo pf	2025-09-08	2025-09-08	5	16	16	0.26
rebover pe	2025-05-28	2025-06-14	10	20	15	0.67
rebover pm	2025-06-13	2025-12-30	55	129	142	0.39
rebover pf	2025-12-12	2026-01-01	5	12	23	0.22

Experts names

Name	Comment
PM.Angel	the 1st unit

Links

Expert	Task
PM.Angel	charlie gm
PM.Angel	charlie pf
PM.Angel	delta gm
PM.Angel	delta pf
PM.Angel	juliet gm
PM.Angel	juliet pf
PM.Angel	mike gm
PM.Angel	mike pm
PM.Angel	mike pf

Bounds shday

Expert	Task	Start day	End day	Lower	Upper
PM.Angel	charlie gm	2025-01-01	2025-04-05	0	1
PM.Angel	charlie pf	2025-06-08	2025-07-06	0	1
PM.Angel	delta gm	2025-01-01	2025-02-25	0	1
PM.Angel	delta pf	2025-02-26	2025-04-12	0	1
PM.Angel	juliet pe	2025-02-18	2025-02-27	0	1
PM.Angel	juliet gm	2025-02-18	2025-06-30	0	1
PM.Angel	juliet pf	2025-07-01	2025-08-15	0	1
PM.Angel	mike pe	2025-04-18	2025-04-20	1	2
PM.Angel	mike gm	2025-04-21	2025-09-25	0	1
PM.Angel	mike pf	2025-09-26	2025-10-30	0	1

Bounds shsum

Expert	Task	Start day	End day	Lower	Upper
PM.Angel	charlie gm	2025-01-01	2025-04-05	0	1
PM.Angel	charlie pf	2025-06-08	2025-07-06	0	1
PM.Angel	delta gm	2025-01-01	2025-02-25	0	1
PM.Angel	delta pf	2025-02-26	2025-04-12	0	1
PM.Angel	juliet pe	2025-02-18	2025-02-27	0	1
PM.Angel	juliet gm	2025-02-18	2025-06-30	0	1
PM.Angel	juliet pf	2025-07-01	2025-08-15	0	1
PM.Angel	mike pe	2025-04-18	2025-04-20	1	2
PM.Angel	mike gm	2025-04-21	2025-09-25	0	1
PM.Angel	mike pf	2025-09-26	2025-10-30	0	1

Bounds shday

Expert	Task	Start day	End day	Lower	Upper
PM.Angel	charlie gm	2025-01-01	2025-04-05	0	1
PM.Angel	charlie pf	2025-06-08	2025-07-06	0	1
PM.Angel	delta gm	2025-01-01	2025-02-25	0	1
PM.Angel	delta pf	2025-02-26	2025-04-12	0	1
PM.Angel	juliet pe	2025-02-18	2025-02-27	0	1
PM.Angel	juliet gm	2025-02-18	2025-06-30	0	1
PM.Angel	juliet pf	2025-07-01	2025-08-15	0	1
PM.Angel	mike pe	2025-04-18	2025-04-20	1	2
PM.Angel	mike gm	2025-04-21	2025-09-25	0	1
PM.Angel	mike pf	2025-09-26	2025-10-30	0	1

Bounds shsum

Expert	Task	Start day	End day	Lower	Upper
PM.Angel	charlie gm	2025-01-01	2025-04-05	0	1
PM.Angel	charlie pf	2025-06-08	2025-07-06	0	1
PM.Angel	delta gm	2025-01-01	2025-02-25	0	1
PM.Angel	delta pf	2025-02-26	2025-04-12	0	1
PM.Angel	juliet pe	2025-02-18	2025-02-27	0	1
PM.Angel	juliet gm	2025-02-18	2025-06-30	0	1
PM.Angel	juliet pf	2025-07-01	2025-08-15	0	1
PM.Angel	mike pe	2025-04-18	2025-04-20	1	2
PM.Angel	mike gm	2025-04-21	2025-09-25	0	1
PM.Angel	mike pf	2025-09-26	2025-10-30	0	1

Expert bounds and preferences

Expert	Start day	End day	Lower	Upper
PM.Angel	2025-01-01	2026-01-01	0	2

Invoicing periods

Name	Start day	End day	Days	Workdays
January 2025	2024-12-31	2025-01-05	36	22
February 2025	2025-01-26	2025-02-12	29	21
March 2025	2025-03-04	2025-03-14	31	21
April 2025	2025-03-27	2025-04-14	29	21
May 2025	2025-04-13	2025-05-18	36	23
June 2025	2025-05-19	2025-06-16	31	23
July 2025	2025-06-16	2025-07-07	29	21
August 2025	2025-07-14	2025-08-07	31	21
September 2025	2025-08-18	2025-09-05	29	21
October 2025	2025-09-14	2025-10-05	30	22

Invoicing periods bounds

Expert	Period	Lower	Upper
PM.Angel	January 2025	0	180
PM.Angel	February 2025	0	180
PM.Angel	March 2025	0	180
PM.Angel	April 2025	0	180
PM.Angel	May 2025	0	180
PM.Angel	June 2025	0	180
PM.Angel	July 2025	0	180
PM.Angel	August 2025	0	180
PM.Angel	September 2025	0	180
PM.Angel	October 2025	0	180

Yumbo. Scheduling, Planning and Resource Allocation

Zbigniew Romanowski, Paweł Koczyk

Project code, documentation and sample Excel report files can be found on [Github](#) repository.

10 January 2025, 21:51:58 PM

PM.Angel the 1st unit

Task's Gantt Chart

Tasks per day

Hours per day stacked

Task charlie.pm

Task delta.pm

Task juliet.pe

Task juliet.pm

Task mike.pe

Task november.pe

Task november.pm

Task november.pf

Solver output at 05 January 2025, 21:51:58 PM

```
HiGHS 1.7.1: tech-output = 1
Running HiGHS 1.7.1 [git hash: dc78313]: Copyright (c) 2024 HiGHS under MIT licence terms
Coefficient ranges:
  Matrix [1e+00, 6e+00]
  Cost   [1e+00, 3e+00]
  Bound  [1e+00, 1e+00]
  RHS    [1e+00, 5e+01]
Presolving model:
1301 rows, 1317 cols, 4161 nonzeros  0s
235 rows, 401 cols, 1433 nonzeros  0s
147 rows, 600 cols, 1000 nonzeros  0s
Solving MIP model with:
147 rows
801 cols (802 binary, 0 integer, 0 implied int., 0 continuous)
1000 nonzeros

Nodes | B&B Tree | Objective Bounds | Dynamic Constraints | Work
Proc. InQueue | Leaves | Expl. | BestBound | BestSol | Gap | Cuts | Imp.Coeff. | LPiters | Time
0 | 0 | 0 | 0.000 | 18.027422077 | Inf | Inf | 0 | 0 | 0 | 0 | 0.0s
T | 0 | 0 | 0.000 | 18.027422077 | 930.0643741 | 99.43% | 0 | 0 | 0 | 127 | 0.0s

Solving report
Status: Optimal
Primal bound: 930.064374077
Dual bound: 930.064374077
Gap: 0% (tolerance: 0.01%)
Solution status: Feasible
  min: 930.064374077 (objective)
  0 (bound viol.)
  0 (int. viol.)
  0 (row <= col.)
  0.00 (total)
  0.01 (primal)
  0.00 (postsol)
Nodes: 1
LP iterations: 127 (total)
  0 (strong br.)
  0 (separation)
  0 (heuristics)
HiGHS 1.7.1: optimal solution objective 930.0643741
137 simplex iterations
1 branching nodes
```