



basic rules.txt
7 lines

domicile work.txt
9 lines

holidays.txt
17 lines

NYS tax rules.txt
22 lines

RSUs.txt
11 lines

sick days.txt
5 lines

spreadsheet spec.txt
13 lines

travel rules.txt
24 lines

vacation.txt
31 lines

work from home.txt
24 lines

work travel.txt
55 lines

workday agent.txt
16 lines

run workday agent

Read the XLSX skill >

- Read the XLSX skill
- Done

Now let me carefully analyze all the data and build the spreadsheet. This is a complex task - let me first plan out all the data.

Ran 2 commands >

- Check for recalc script

Script

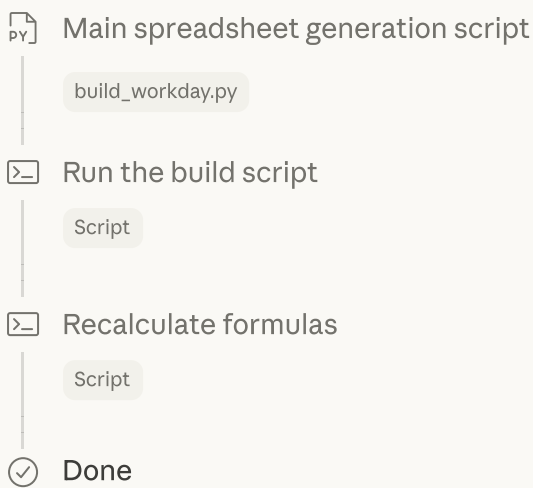
Copy scripts

Script

Done

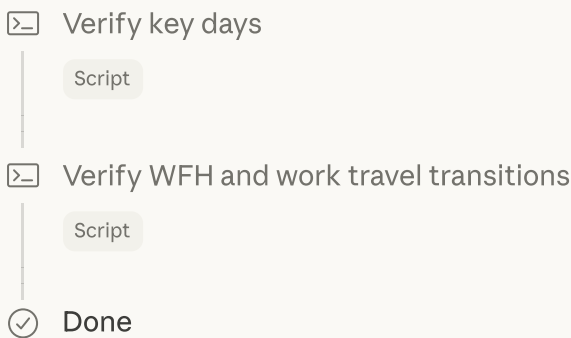
Now let me write a comprehensive Python script to generate the spreadsheet. I'll carefully process all the rules:

Ran 2 commands, created a file >



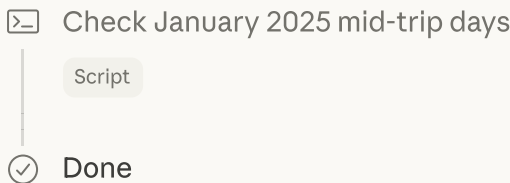
Zero formula errors. Let me verify some key data points before presenting:

Ran 2 commands >



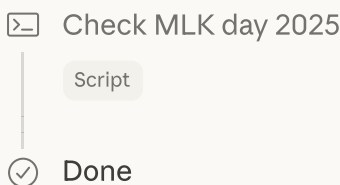
Good - the data looks correct. WFH days are properly marked as non-NYS, work travel is right. Let me check a few more edge cases and then fix a couple issues:

Check January 2025 mid-trip days >



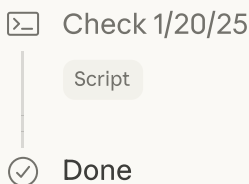
I notice 1/20 (MLK Day) shows as work travel but not a holiday. Let me check:

Check MLK day 2025 >




MLK Day 1/20/25 is correctly a holiday. But my code has it also in work_travel_days. Let me check the logic - holiday should take priority:

Check 1/20/25 >




Good - 1/20/25 is correctly is_holiday=True, is_workday=False. But day_info is empty - it should show "Martin Luther King Jr. Day". The day_info assignment logic has a bug - for holidays that are also work travel days, the work_travel check might override. Let me fix the day_info logic:

Fix day_info assignment for holidays >

 Fix day_info assignment for holidays


build_workday.py

+4 -5

 Done


Also, the 11/24/24 travel day (JFK to SEA) is on a Sunday - so is_workday=False, but it's a travel day. The day_info should show travel. Let me also add travel info on non-workday travel days. Let me also fix the vacation day_info showing even on weekends. Let me look at the current logic and improve:

Edited 2 files, ran 2 commands, viewed a file >


 Fix day_info to always show travel on travel days, and fix vacation info priority

build_workday.py


+12 -4


 Fix remaining day_info sections - remove duplicate travel handling

build_workday.py


 Find the vacation line

Script

 Read build_workday.py


 View day_info logic

Script


 Done

The file got a bit garbled by the partial edits. Let me rewrite just the day_info section cleanly:

View second vacation block >


 View second vacation block

Script

 Done

Good, the excel generation code is fine. The issue is only in the day_info assignment block. Let me rewrite the entire day_info section cleanly by patching the broken part:


Ran 4 commands >

 Patch the day_info block

Script

 Run the fixed script

Script

 Recalculate formulas

Script

 Final validation

Script

 Done

Two issues: 1) holiday day_info is empty when it's also a work travel day (wrong branch ordering), 2) mutual exclusivity violations. Let me investigate:

Investigate violations >

 Investigate violations

Script

 Done

The violations are weekend+vacation and holiday+vacation combinations. Per the rules "Don't count vacation and sick day on weekends and holidays" - so if a vacation day is also a weekend or holiday, it still counts as vacation (or maybe holiday takes precedence). Let me re-read the rules: "Don't count vacation and sick day on weekends and holidays" means vacation/sick don't count if they fall on weekend/holiday.

But per "check every day only one of the following is true: NYS workday, non-NYS workday, weekend, holiday, vacation, sick" - these should be exclusive. The IT-203F rule says don't count vacation on weekends/holidays. So vacation should only be flagged on actual non-weekend, non-holiday days.

Let me fix the vacation assignment:

Ran 3 commands >

 Find vacation assignment

Script

 View vacation assignment

Script

 Fix vacation to not apply on weekends/holidays

Script

 Done

Also need to fix the holiday day_info when it's also a travel day. The issue is the travel branch runs before the holiday branch in day_info. Let me check - actually I fixed the order already (holiday is checked first). Let me check why 11/11/24 shows empty info:

Ran 4 commands >

Debug holiday day_info

Script

Find day_info holiday assignment

Script

Find holiday_name assignment

Script

View day_info logic

Script

Done

The logic looks right - `if rec["is_holiday"]` should set the name. But the result shows empty. Maybe the `day_info` is being reset elsewhere. Let me check if there's another loop that resets it:

All day_info references >

All day_info references

Script

Done

The logic looks correct. Let me debug more directly:

Direct debug of holiday >

Direct debug of holiday

Script

Done

The holiday_name is set but day_info ends up empty. This means the `if rec["is_holiday"]` branch isn't executing in day_records iteration, but running fine in the test. The issue might be the `for rec in day_records` loop with early `continue`:

View workday determination block >

View workday determination block

Script

Done

Found it! Line 697: `continue` - when `is_weekend or is_holiday or is_vacation or is_sick`, the code does `continue` which skips the day_info assignment! The day_info section is AFTER the continue. I need to move day_info assignment before the continue, or restructure:

Ran 2 commands >

 Remove continue and use else

Script

 Check the structure now

Script

 Done

The problem is that the "Determine NYS vs non-NYS" block is still at the same indentation level and will run for holiday/weekend days too. I need to put that entire block under **else:** as well. Let me do a bigger restructure:

Ran 3 commands >

 Restructure the workday determination block

Script

 Run fixed script

Script

 Final validation checks

Script

 Done

Zero violations, holidays showing correctly. Let me now run the full recalc and do final validation:

Ran 2 commands >

 Recalculate

Script


 Summary stats

Script

 Done

The data looks reasonable. Block1 goes 1/23/23 - 2/20/25, which is mostly NYC time. The 31 NYS workdays after moving to WA (from work trips to NYC) seems right. Let me copy to output:

Ran a command, read a file >

 Copy to outputs

Script







 Presented file

Here's your **Workday Tracker** spreadsheet. Here's what was built across 3 sheets covering 1/1/2023 – 2/28/2026:

Summary Sheet (leftmost)

- One row per RSU Block (grant 1/23/23, vests 2/20/25 / 5/20/25 / 8/20/25 / 11/20/25) with SUM formulas for NYS workdays, non-NYS workdays, weekends, holidays, vacation, WFH, and sick days
- Separate row for **NYS workdays post-WA move (2/15/25–12/31/25) = 31 days** — for calculating wage tax without employer withholding

Daily Log Sheet

- Color-coded cells:  Light blue = NYS workday,  Light green = non-NYS workday,  Light orange = vacation,  Light pink = holiday,  Light purple = WFH,  Gray = weekend
- Dark green RSU block columns (Block1–4) when within vesting period
- `day_info` column shows: holiday name, flight legs (e.g., `JFK→SEA`), WFH location, or work location
- All mutual exclusivity checks passed (0 violations across 1,155 days)


Travel Log Sheet

- 58 single-leg entries with mode, departure/arrival locations, computed travel start/end times (flight: dep–3h, arr+2h), and purpose (work/wfh/vacation)

Key counts:


- Block1 (760 days): NYS=434, non-NYS=61, WFH=34
- Block4 (1,033 days): NYS=465, non-NYS=209, WFH=34
- All holidays adjusted for weekend observance

A few items flagged with `XXX` in the source files (the 3 WFH days during the 8/26/23 vacation, and the 11/11/24 SFO WFH question) were left out since they were uncertain — you can add those manually if confirmed.



Workday tracker

Spreadsheet · XLSX



Download



