

AGENDA

01 Folder Structure

02Work Formatting

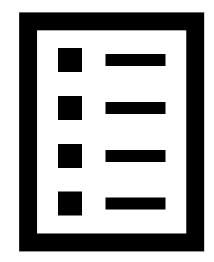
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Reviewable Analysis

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Presenting Your Work



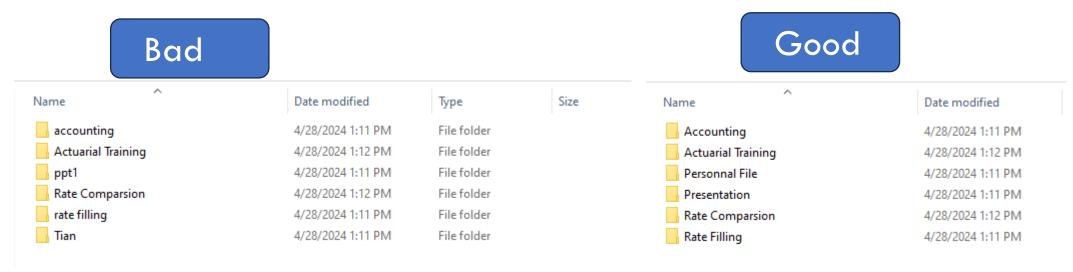


Folder Structure



FOLDER STRUCTURE

- Goal: Organize the files into a hierarchy
- Why: Makes it easier for different users to find the necessary info





PRINCIPLES

Easy to Navigate, intuitive, and lead user to the correct information



Create the File Structure before starting the project could help avoid confusion in the long run



Review current structure and make sure you maintain them when create new folders





OTHER TIPS

- If you want subfolders in a certain order other than alphabetical, adding numbers in the front could achieve that.
- An "Archive" folder can be a good idea so you can place your old work from the main folder but also keep a copy.

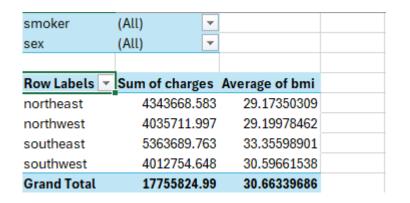


Formatting Your Work



OVERVIEW

 Analysis is important, but it's not worth much if you cannot communicate the results to other stake holders



Region	Sun	n of Premium	Average Policyholder BMI
Northeast	\$	4,343,669	29.2
Northwest	\$	4,035,712	29.2
Southeast	\$	5,363,690	33.4
Southwest	\$	4,012,755	30.6
Grand Total	\$	17,755,825	30.7



HELPFUL TIPS

- Different type of documents will require different level/type of formatting
- Consider your audience when deciding how to format your information
- Use visual techniques like color coding to guide your audience.



Creating Reviewable Analysis



DOCUMENTING ASSUMPTIONS

METROPOLITAN DIRECT PROPERTY AND CASUALTY INSURANCE COMPANY AUTOMOBILE MANUAL CALIFORNIA

Years Licensed Factor

Applies to BI, PD, ME	D, UM, COM	P, COLL				
Years of						
Driving Exp.	BI	PD	MED	<u>UM</u>	COMP	COLL
0-2	1.50	1.41	1.29	1.29	1.15	1.33
3-5	1.27	1.28	1.24	1.28	1.14	1.29
6-8	1.04	1.22	1.10	1.19	1.10	1.20
9-13	1.03	1.06	1.06	1.02	1.09	1.08
14-18	1.00	1.01	1.07	1.01	1.06	1.03
19-23	1.00	1.01	1.04	1.00	1.03	1.03
24-28	1.00	0.99	1.02	0.99	1.00	1.01
29-33	0.98	0.96	0.98	0.97	0.99	0.98
34-38	0.96	0.92	0.98	0.92	0.93	0.95
39-43	0.93	0.88	0.92	0.91	0.90	0.94
44-48	0.97	0.91	0.94	0.93	0.91	0.93
49-53	1.00	0.95	0.96	0.96	0.95	0.93
54-58	1.02	1.00	0.98	0.98	1.01	0.97
59+	1.05	1.04	1.02	1.03	1.06	1.01
Excess Vehicle	0.87	0.88	0.85	1.01	0.86	0.93

- An example of Insurance Filing Exhibit from Famers Insurance
- An analyst may include notes on how those factors are calculated, where the data is obtained, and other relevant links on the side of the excel workbook, which are not made available to state Department of Insurance

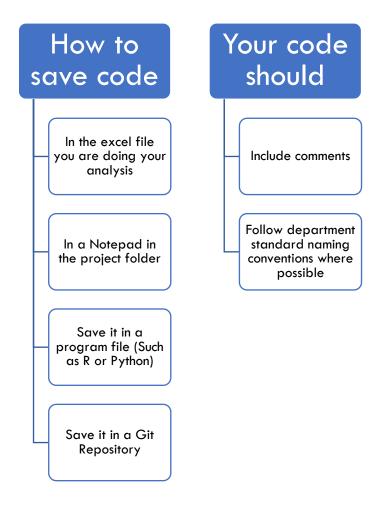


ASOP

"Actuarial Report—The actuary should complete an actuarial report if the actuary intends the actuarial findings to be relied upon by any intended user. The actuary should consider the needs of the intended user in communicating the actuarial findings in the actuarial report. An actuarial report may comprise one or several documents. The report may be in several different formats (such as formal documents produced on word processing, presentation or publishing software, e-mail, paper, or web sites). Where an actuarial report for a specific intended user comprises multiple documents, the actuary should communicate which documents comprise the report. In the actuarial report, the actuary should state the actuarial findings, and identify the methods, procedures, assumptions, and data used by the actuary with sufficient clarity that another actuary qualified in the same practice area could make an objective appraisal of the reasonableness of the actuary's work as presented in the actuarial report"



SAVING CODES





Documentation



REPRODUCIBILITY

- Successful process ought to be reproducible for future users
- Reproducibility also an important aspect of troubleshooting
- Ad hoc processes may later become more commonly used
- Specificity
 - Processes often designed for specific context state, program, date
- Centralization
 - Prolific documentation without centralization can lead to goose chases, inconsistent practices



ARCHIVAL PROCESS

- Process improvement is often iterative
- Slight or moderate adjustments to existing code and documents
- Keep a record of older models
- If creating state specific document, save a copy before making changes so that master copy is preserved
- Significant improvements may merit new master file, but older versions of processes should be archived, not deleted.



Peer and manager review



REVIEWS

- Who?
 - Appropriate experience
- What?
 - Clearly defined scope
 - Sufficiently clear analysis that can be followed by reviewer without additional guidance
- When?
 - Published work products
 - Actuarial communications
- Why?
 - Company reputation
 - Professional standards



REVIEW PROCEDURES

Double check

Cross check

Reasonability check

- Assumptions and inputs
- Linked files

- Aggregate and compare to an independent source
- Prior data/analysis
- Different exhibit in same analysis

- 200% Rate increase?
- \$5 Billion in earned premium?



Presenting Your Work



KEY PIECES TO PRESENTING

 Presentations should be simplified, justified, and visually meaningful towards these key pieces





AUDIENCE

- Determine who your target audience is will help you cater things like tone, analysis, and graphics to each presentation.
- It is important to consider how your audience best receives information and tailor your prestation to them

Who is the audience

What background information does the audience have? What additional information do you need to provide?

What takeaways do you hope to accomplish given your audience?



AGENDA

- Consider your allotted time, and keep your agenda attainable in that timeframe
- Provide a clear agenda that tells your audience what will be covered during your presentation
 - Always include an agenda in a meeting invite
- Leave a few minutes at the end of your presentation for Q&A









ANALYSIS

- Present your analysis three ways:
 - Verbally give an overview of each graphic/slide in your presentation, and provide context beyond what is on the screen
 - Write out any helpful notes that may be necessary when returning to your presentation.
 - Visualize results, data, or action items to give your audience something to remember your main points.



ACTION

- Give your audience something to take away and act upon from your presentation
- This may include encouraging the audience to try your new process, decide on your proposed rate action, or approve your methodology.
 - The list of possibilities is endless



TAKEAWAYS SLIDE

KEY TAKEAWAYS

- Remember document your work!
- When presenting, know your audience

ANNOUNCEMENTS



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Thank you

Any questions?