

Fire Protection Standards Quiz Data

High-Level Summary

- Questions and Answers
- Fire Protection Standards
- NFPA Codes
- Quiz or Study Guide Format
- Flashcard-like Items
- Root Array of Objects

Structural and Schema Analysis

- Valid Array of Objects
 - question (String)
 - answer (String)
 - source (String)
 - tags (Array of Strings)
- Consistent Keys Per Object
- No Inconsistencies

Data Integrity and Accuracy Check

- Largely Consistent
- Well Structured
- Potential Improvements
 - Inconsistent Phrasing in 'source'
 - Potential for More Granular 'tags'
 - Varied Answer Formatting

Error Detection

- Valid JSON Syntax
- No Trailing Commas
- No Mismatched Brackets
- Consistent Encoding and Formatting

Actionable Cleanup and Improvement Suggestions

- Standardize 'source' Field
 - Include all relevant NFPA standards
 - Add specific sub-topic tags
 - Add occupancy tags
- Refine and Expand 'tags'
 - Array for lists
 - Object for conditions
- Consider More Structured 'answer' Field
- Add Unique Identifier (ID)

Example Questions

- Private Fire Hydrants
 - Inspection Frequency: Annually/After Operation
 - Source: NFPA 25 2021, Section 7.3.1
 - Tags: NFPA 25, General
- NFPA 13R Use
 - Residential Occupancies <= 4 Stories
 - Source: NFPA 13R 2022, Section 1.1
 - Tags: NFPA 13R, General
- Sprinkler Head Coverage (NFPA 13 2022)
 - Ordinary Hazard
 - 120 sq ft
 - Source: Table 11.2.3.1.2
 - Tags: NFPA 13, Hazard Classification, Sprinkler Spacing
 - Light Hazard
 - 225 sq ft
 - Source: Table 11.2.3.1.2
 - Tags: NFPA 13, Hazard Classification, Sprinkler Spacing
 - Extra Hazard
 - 100-130 sq ft
 - Source: Table 11.2.3.1.2
 - Tags: NFPA 13, Hazard Classification, Sprinkler Spacing

Quizlet Study Files

- Directory Contents
- JSON Data Files
 - Quizlet Full - Original json (raw, unprocessed)
 - Quizlet Full - Verified json (cleaned for Quizlet)
 - Quizlet Full - Enhanced json (advanced, source:tags/Markdown)
- Text Files
 - Quizlet Full - Original txt
 - Quizlet Full - NotebookLM txt (enhanced data)
- Python Scripts
 - process_json.py (cleans original to verified)
 - enhance_json.py (enhances verified to enhanced)
 - convert_to_notebooklm.py (converts enhanced to text)

Main Sources

- NFPA 13, 2022 Edition
- NFPA 130, 2022 Edition
- NFPA 13R, 2022 Edition
- NFPA 14, 2022 Edition
- NFPA 17A, 2024 Edition
- NFPA 20, 2022 Edition
- NFPA 22, 2023 Edition
- NFPA 24, 2022 Edition
- NFPA 25, 2023 Edition
- NFPA 72, 2024 Edition
- NFPA 96, 2024 Edition
- Minnesota State Fire Code, 2020
- MSR Statutes