Classification and Analysis of Public Comments to Rulemaking

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CMS

Background on Comment Review Process

Stakeholders: Staff, SMEs, Leadership

Step 1: Post Proposed Rule

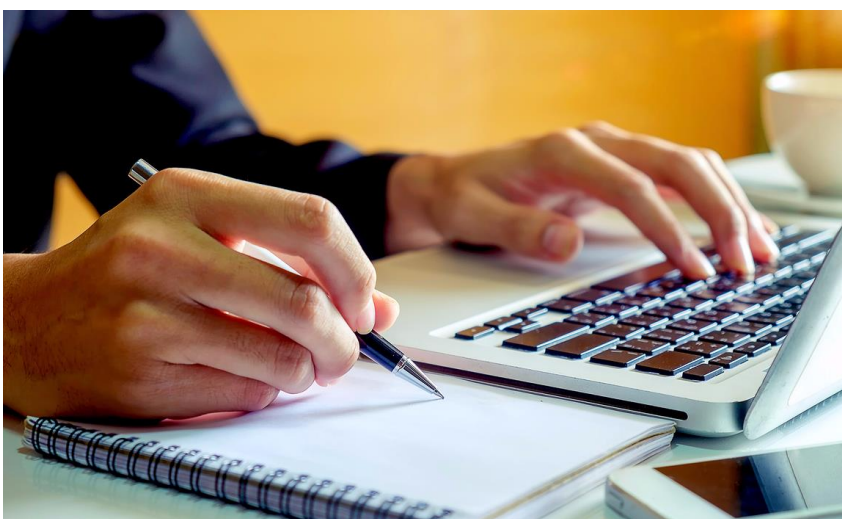**Step 2: Receive Public Comments**

Step 3: Sort & Review Comments

Step 4: Brief Leadership & Get Decisions

Step 5: Write & Publish Final Rule

Customer Need: Automate Tasks to Spend More Time on Complex Tasks

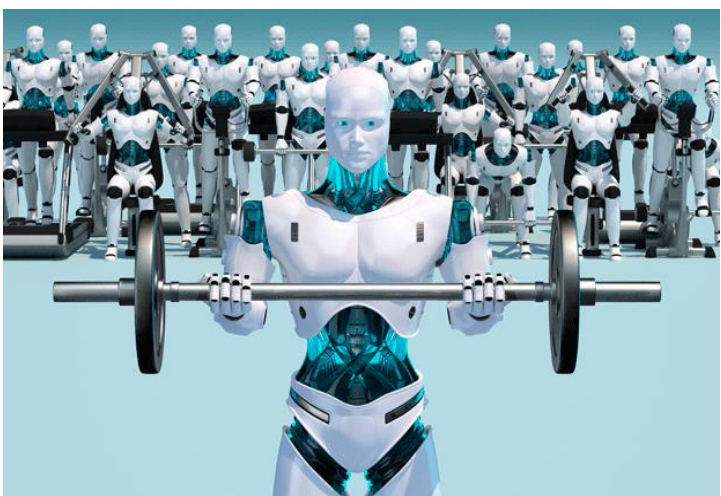**Reduce the Time to Sort, Convert, and Read +1,000 Pages of Comments**

Quickly Brief Leadership to Maintain Tight Deadlines

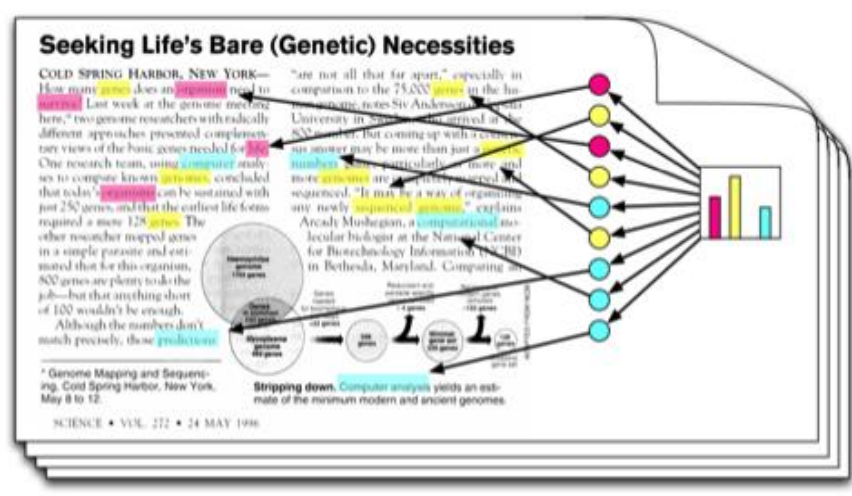## Solution: Topic Modeling Process to Automate Tedious Tasks

Use Proposed Rule Text to Train Topic Model

Automate the Conversion of Comments into Machine Readable Text

Use Topic Model to Classify Public Comments by Proposed Rule Section

Benefits

- Automate tedious tasks = more time for important tasks
- Briefing sooner = earlier decisions
- More time to analyze tougher decision points
- Identify write-in campaigns and duplicate submissions

Alternatives

- CAAT on FDMS
- SAS Text Miner
- SAS Contextual Analysis
- Manual Review