

# Manuscripts for X12-837-Fake-Data-Generator

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This folder contains publication materials for the X12-837-Fake-Data-Generator project.

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## Future Publication Ideas (Outlines)

Additional manuscripts for development after JOSS publication:

### 1. Software/Tool Paper (COMPLETED)

**File:** [01\\_software\\_tool\\_paper.md](#) (detailed outline, now superseded by [paper.md](#))

**Status:**  Draft complete as [paper.md](#)

### 2. Educational Methods Paper

**File:** [02\\_educational\\_methods.md](#)

**Target Journals:** JAMIA, Journal of Biomedical Informatics Education, Academic Medicine

**Focus:** Using synthetic claims data for healthcare informatics education

**Requirements:** Pilot study data from teaching with the tool

### 3. Synthetic Data Generation Methods

**File:** [03\\_synthetic\\_data\\_methods.md](#)

**Target Journals:** JAMIA, Journal of Biomedical Informatics, Health Data Science

**Focus:** Methodology for generating realistic synthetic healthcare claims while preserving privacy

**Requirements:** Validation studies comparing synthetic to real claims distributions

### 4. Healthcare Interoperability Standards

**File:** [04\\_interoperability\\_standards.md](#)

**Target Journals:** JAMIA, Applied Clinical Informatics, International Journal of Medical Informatics

**Focus:** Practical implementation of X12 EDI standards for healthcare data exchange

**Requirements:** Time-tracking data, developer surveys, implementation case studies

### 5. Data Analytics Framework

**File:** [05\\_analytics\\_framework.md](#)

**Target Journals:** Journal of Healthcare Engineering, Health Information Science and Systems

**Focus:** Framework for claims-level analytics and population health insights

**Requirements:** Demonstration analyses on synthetic data, validation against benchmarks

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## Recommended Publication Strategy

Phase 1 (Immediate) - Establish Software Credibility

 **JOSS Software Paper** ([paper.md](#))

- Quickest to publish (2-3 months)
- Establishes tool credibility
- Provides citable DOI for other papers
- Required before submitting methods papers

**Action:** Complete [SUBMISSION\\_CHECKLIST.md](#) and submit to JOSS

## Phase 2 (3-6 months) - Applied Research

After JOSS acceptance, pursue application papers:

- **Educational Methods** - if teaching with the tool
- **Interoperability Standards** - developer-focused audience

## Phase 3 (6-12 months) - Advanced Methods

After tool adoption grows:

- **Synthetic Data Methods** - requires validation studies
- **Analytics Framework** - requires demonstration analyses

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## 🎯 Why Start with JOSS?

1. **Fast turnaround** (2-3 months typical)
2. **Lower barrier** (software-focused, less data required)
3. **Establishes credibility** for tool
4. **Provides DOI** for citing in other papers
5. **Open access** and free to publish
6. **Community visibility** in open-source community

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## 📚 Examples and References

- [01/examples/](#) - Contains two published JOSS papers as format references:
  - [10.21105.joss.06581.txt](#) - dataquieR 2 (health data quality)
  - [10.21105.joss.04062.txt](#) - PopMedNet (distributed health networks)

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## ✅ Pre-Submission Quick Start (30 minutes)

### 1. Review the paper ([paper.md](#))

- Check for accuracy
- Update any placeholders
- Proofread for typos

### 2. Update metadata

- Add your ORCID ID (get free at <https://orcid.org>)

- Update affiliation
- Verify repository URL

### 3. Add LICENSE

- Copy MIT License to repository root as **LICENSE**
- Update copyright year and name

### 4. Create Zenodo account

- Link GitHub repository
- Will be needed for DOI

### 5. Optional: Add tests

- Even basic tests strengthen submission
- Creates **tests/** directory with simple validation

### 6. Submit to JOSS

- Visit <https://joss.theoj.org/papers/new>
  - Provide GitHub repo URL
  - Wait for review
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## Helpful Resources

- **JOSS Submission Portal:** <https://joss.theoj.org/papers/new>
  - **JOSS Guidelines:** <https://joss.readthedocs.io/en/latest/submitting.html>
  - **JOSS Review Criteria:** [https://joss.readthedocs.io/en/latest/review\\_criteria.html](https://joss.readthedocs.io/en/latest/review_criteria.html)
  - **Zenodo:** <https://zenodo.org/>
  - **ORCID:** <https://orcid.org/>
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## Questions?

- **JOSS Support:** <https://joss.theoj.org/about#contact>
  - **JOSS Community:** <https://gitter.im/openjournals/joss>
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Ready to make your research citable! 

Start with **SUBMISSION\_CHECKLIST.md** to ensure all requirements are met before submitting to JOSS.