

## Project 1: Generative Text

Pears Or To Garnestmeam

meats

¼ lb bones or fresh bread; optional

½ cup flour

1 teaspoon vinegar

¼ teaspoon lime juice

2 eggs

Brown salmon in oil. Add creamed meat and another deep mixture.

Discard filets. Discard head and turn into a nonstick spice. Pour 4 eggs onto clean a thin fat to sink halves.

Brush each with roast and refrigerate. Lay tart in deep baking dish in chipec sweet body; cut oof with crosswise and onions. Remove peas and place in a 4-dgg serving. Cover lightly with plastic wrap. Chill in refrigerator until casseroles are tender and ridges done. Serve immediately in sugar may be added 2 handles overginger or with boiling water until very cracker pudding is hot.

Yield: 4 servings

*The Silicon Gourmet (From Janelle C Shane, [aiweirdness.com](http://aiweirdness.com))*

ML techniques have enabled a new crop of data-driven generative textual methods. For this project, you will create a text generation system. This can take the form of a chatbot, a system that generates screenplays, recipes, resumes, or any other textual document.

You will be responsible for: the choice of application domain (form and genre of generated text), the choice of ML tool (LSTM, GRU, other), for gathering and cleaning your training data, for functional implementation of a system, and for producing an aesthetically interesting result.

## Project Deliverables

- A one paragraph abstract describing your concept, method, and results.
- A cleaned textual corpus of your training data (as a plain text file, .txt)

- Executable source code for both training and generation as a jupyter notebook that will run in our class compute environment (datahub ECE188).
- A characteristic output from your system, to be shared during an in-class “reading”/critique.

## Due Date: Oct 20, 11:59pm

For credit you must submit the project deliverables to github classroom <https://classroom.github.com/g/sJlzmAcR> by Sunday 10/20 at 11:59pm, as well as bring a printed copy of your abstract and generated text to lab on Monday 10/21 for our reading session and critique.

## Grading Rubric

### **Abstract** (10%)

One paragraph clearly describing your concept, method, and results. This should tell us what architecture/approach you used.

### **Data** (10%)

Your training corpus. A text file (or files) you used to train your models and generate your piece, as a plain text file (.txt). Also a description of how you harvested/scraped/gathered or where you located this text.

### **Source Code** (20%)

The functional source code you used to make your project. Should be executable (and replicable!) within our course computing platform. Also include code for webscraping if you use scrapers to get your text.

### **Creative Product** (60% total)

- Quality of Concept (20%) Does the project utilize interesting methods or approach to the technical tools?
- Technical Experimentation (20%) How far have you pushed your technical implementation, for instance: manipulating model architecture and training parameters, utilizing other tools/packages (webscraping, text cleaning).
- Aesthetic Realization (20%) Artistic quality of the final generated text.