

Welcome to PyData.Okinawa

Meetup 19 - Interactive Visualization

2016/11/19 (SAT) 9:00-12:00 @ [Startup Cafe Koza](#)

- Twitter: @PyDataOkinawa (#PyDataOkinawa)
- Meetup: <https://www.meetup.com/PyData-Okinawa/>
- Connpass: <http://pydataokinawa.connpass.com/>
- HP: <http://pydata.okinawa>
- Slack: <https://pydataokinawa.slack.com>

Time		Speaker
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Schedule

Time		Speaker
8:55	Opening	
9:00-9:20	Introduction to PyData.Okinawa	Organizer
9:20-9:30	Self-introduction	Everybody
9:30-10:15	Interactive visualization with ipywidgets	Everybody
10:15-10:30	Break	
10:30-11:30	Interactive visualization with Plotly	Everybody
11:30-11:50	Lightening Talks	Volunteers
11:50-12:00	Closing	Everybody

What is PyData.Okinawa?



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https://www.happytellus.com/gallery.php?img_id=2668

What is PyData.Okinawa?



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<http://free-photo.net/archive/entry5175.html>

What is PyData.Okinawa?

- PyData.Okinawa is a community for people who are interested in python, data analytics, and/or machine learning.
- We use python 2.7 as a main language, but you can of course pick your favorite langauge that suits your needs.
- We use English as a "recommended language" after 18th meetup, so native English speaker living here or visiting Okinawa from other countries can join our meetup.

Data Science Community

PyData

- PyData in the World

PythonBeginners 沖縄 (Japanese)

- Mokumoku-kai for Python beginners in Okinawa
- <http://python-beginners-okinawa.connpass.com/>
- Ask Suzuki-san for more information

PythonBeginners沖縄・助け合い所 (Japanese)

- Facebook page

Why PyData.Okinawa?

- Data science is developing in exponential rate.
- Difficult to follow the current trend by yourself even if you use the web.
- This is especially true if you live in Okinawa and try to catch up with this trend by yourself only using Japanese language.
- People can fill in these gaps.
- PyData.Okinawa is experimental.
- We continue as long as it is fun.

PyData.Okinawa News

English as a recommended language



- ① 地理的優位性
主要都市へ4時間圏内
- ② 24時間運用体制の那覇空港
高いダイヤ設定の自由度
- ③ 那覇空港上屋スペースの確保
空港内に効率的な物流拠点の形成が可能
- ④ 公租公課の軽減措置
国内線での優遇がある
- ⑤ 国内第2位のネットワーク
羽田に次ぐ33拠点
- ⑥ 空港後背地の存在
那覇自由貿易地域・那覇港の活用
- ⑦ 滑走路増設計画
2,700mの滑走路が2019年完成予定
- ⑧ 豊富な人材
高い外国語対応力、豊富な若年労働者

- Easier for English speaker to join our community
- English is an important tool in this fast growing world

New organizers

M. Otsuka	
Y. Tachibana (Sabo)	
K. Tamashiro (Aipa)	
T. Nakanishi	

New Venue



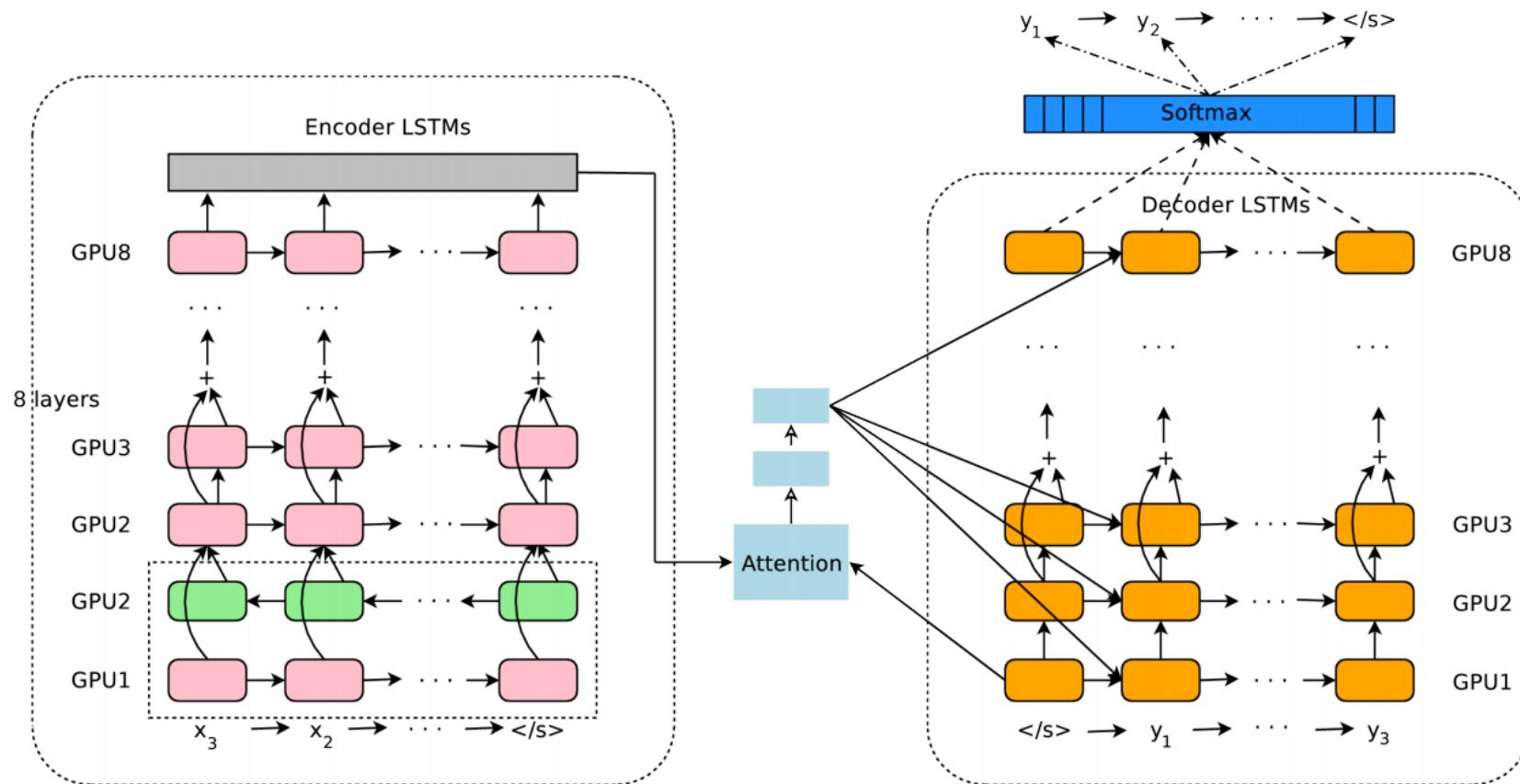
Startup Cafe Koza

Google's Neural Machine Translation

2016/09/27 - [A Neural Network for Machine Translation, at Production Scale](#)

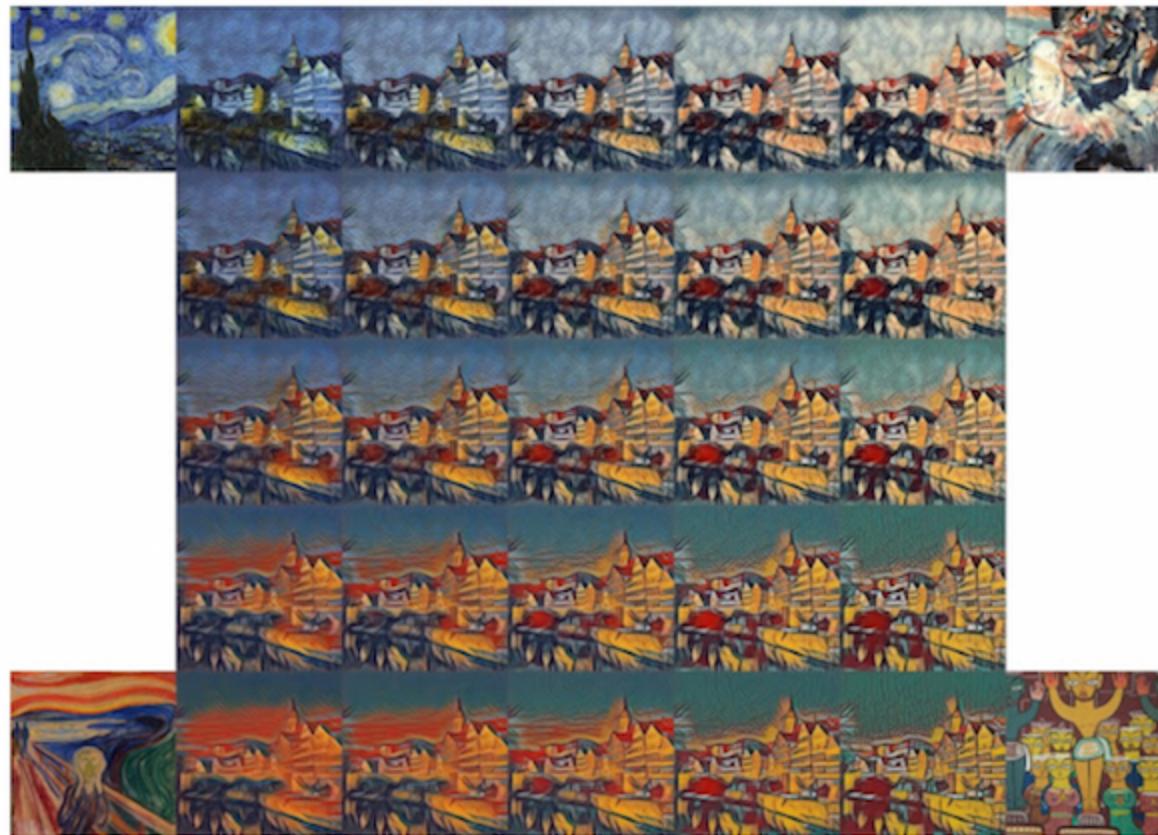
2016/11/12 - 待ってた！ついにGoogle翻訳がニューラルネット機械翻訳を日本語版にも適用。異常に上がった翻訳性能は感動モノ

2016/11/16 - Google 翻訳が進化しました。(Google Japan Blog)



Supercharging Style Transfer

2016/10/26



<https://research.googleblog.com/2016/10/supercharging-style-transfer.html>

LipNet

2016/11/09

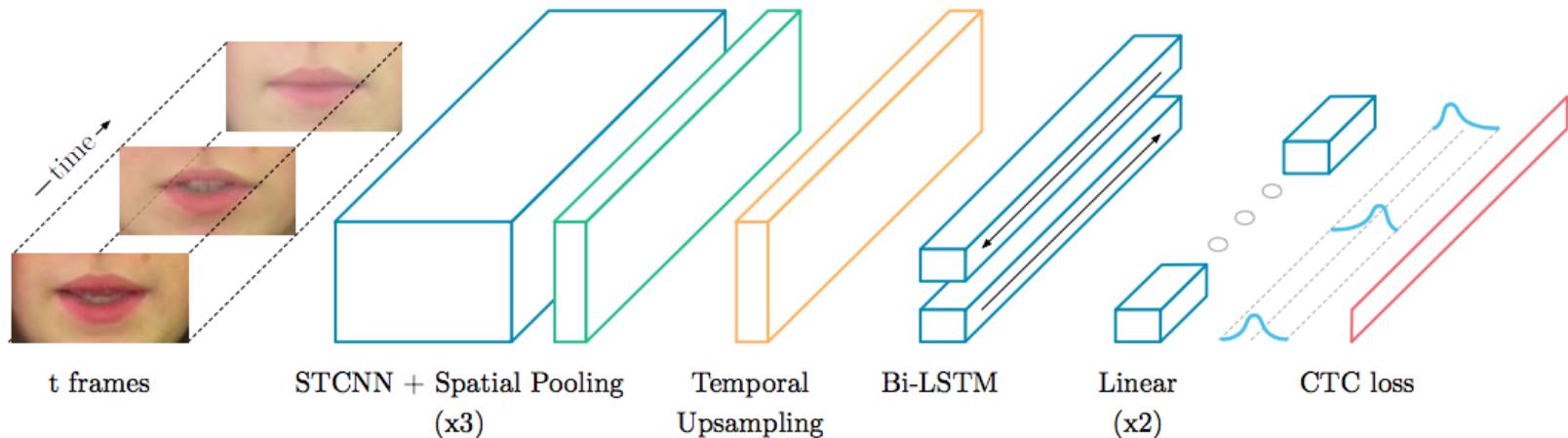
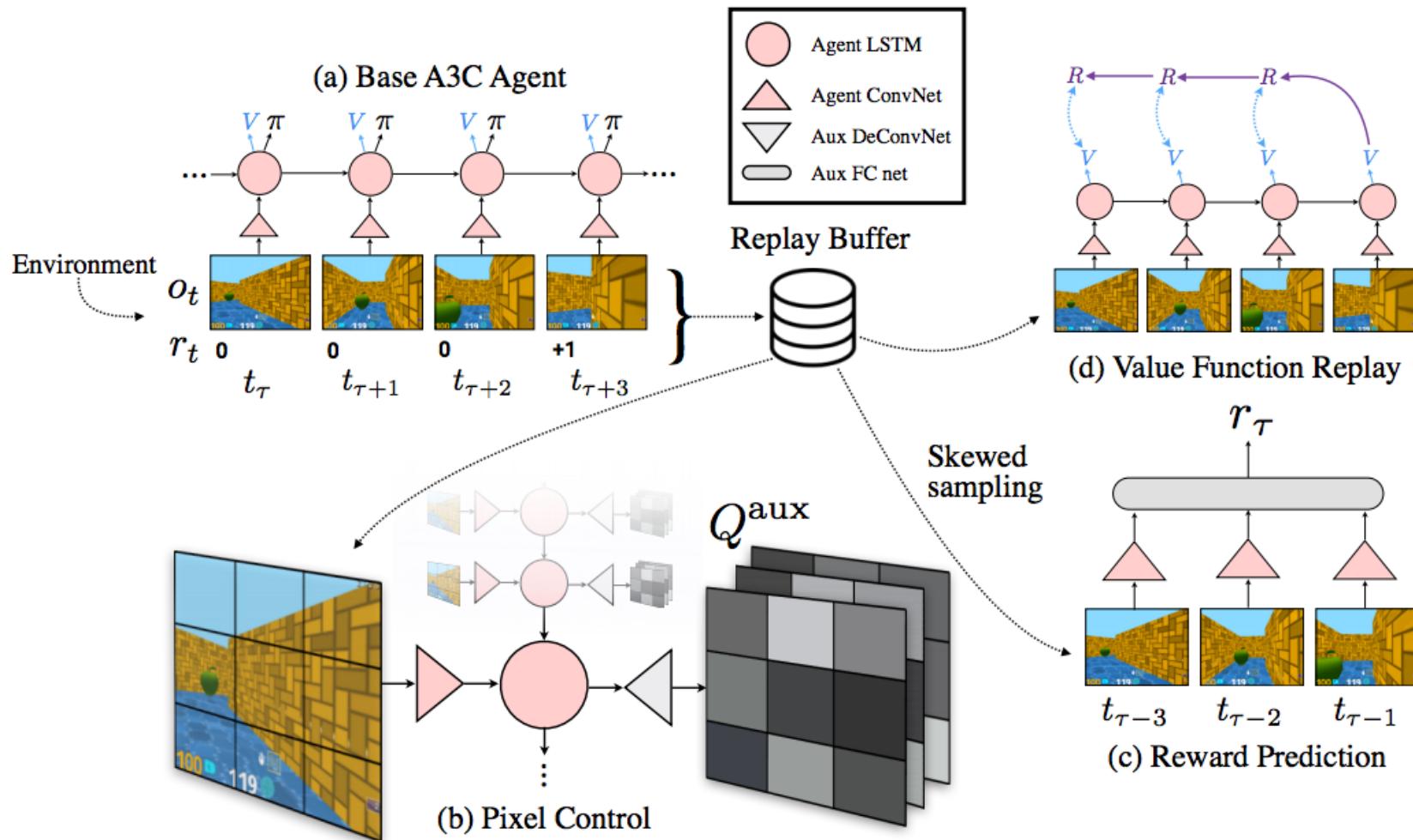


Figure 1: LipNet architecture. A sequence of T frames is used as input, and is processed by 3 layers of STCNN, each followed by a spatial max-pooling layer. The features extracted are temporally up-sampled and are processed by a Bi-LSTM; each timestep of the LSTM output is processed by a 2-layer feed-forward network and a softmax. This end-to-end model is trained with CTC.

<http://www.cs.ox.ac.uk/news/1217-full.html>

Reinforcement learning with unsupervised auxiliary tasks

DeepMind's official blog post (2016/11/17)



Robotics

Apple Gets Its First Director of AI

Ruslan Salakhutdinov, a deep-learning expert at Carnegie Mellon, is exploring smart ways for computers to learn about the world.

by Will Knight October 17, 2016



Russ Salakhutdinov

@rsalakhu

 Follow

Excited about joining Apple as a director of AI research in addition to my work at CMU. Apply to work with my team jobs.apple.com/us/search?pr=1...

12:40 AM · 18 Oct 2016 · Pittsburgh, PA, United States



365

921

PyData.Okinawa

Date and Time

- Every 3rd Saturday 9:00-12:00

Fee

- 1500 yen
- Organizers also pay

Other

- Happy coding ;)

Self-introduction

- about 1 min per person

Interactive Visualization

PyData.Okinawaのこれまで (1/4)

- PyData.Okinawa Meetup #1 - PyData事始め
- PyData.Okinawa Meetup #2 - データ可視化
- PyData.Okinawa Meetup #3 - scikit-learn入門
- PyData.Okinawa Meetup #4 - モデル選択
- PyData.Okinawa Meetup #5 - 復習ミニハッカソン

PyData.Okinawaのこれまで (2/4)

- PyData.Okinawa Meetup #6 - 「データサイエンティスト養成読本：機械学習入門編」読書会 1
 - 第1部 特集1 機械学習を使いたい人のための入門講座（よぎさん）
 - 第1部 特集2 機械学習の基礎知識（ひがさん）
- PyData.Okinawa Meetup #7 - 「データサイエンティスト養成読本：機械学習入門編」読書会 2
 - 第1部 特集2 機械学習の基礎知識（古川さん）
 - 第2部 特集2 Pythonによる機械学習入門（岩村さん）
- PyData.Okinawa Meetup #8 - 「データサイエンティスト養成読本：機械学習入門編」読書会 3
 - 第2部 特集2 Pythonによる機械学習入門（岩村さん）
 - 第1部 特集3 ビジネスに導入する機械学習（玉城さん）

PyData.Okinawaのこれまで (3/4)

- PyData.Okinawa Meetup #9 - 「データサイエンティスト養成読本：機械学習入門編」 読書会 4
 - 第1部 特集4 深層学習最前線 (大塚さん)
- PyData.Okinawa Meetup #10 - 「データサイエンティスト養成読本：機械学習入門編」 読書会 5
 - 第2部 特集4 Pythonで画像認識にチャレンジ (ちんさん)
- PyData.Okinawa Meetup #11 - 「データサイエンティスト養成読本：機械学習入門編」 読書会 6
 - 第2部 特集3 推薦システム入門 (玉城さん)
- PyData.Okinawa Meetup #12 - 寄り合い

PyData.Okinawaのこれまで (4/4)

- PyData.Okinawa Meetup #13 - kaggle - Kobe Bryant Shot Selection
- PyData.Okinawa Meetup #14 - kaggle - Shelter Animal Outcomes (Part 1)
- PyData.Okinawa Meetup #15 - kaggle - Shelter Animal Outcomes (Part 2)
- PyData.Okinawa Meetup #16 - kerasで深層学習
- PyData.Okinawa Meetup #17 - Magentaで音楽生成
- PyData.Okinawa Meetup #18 - Pandasでデータ前処理