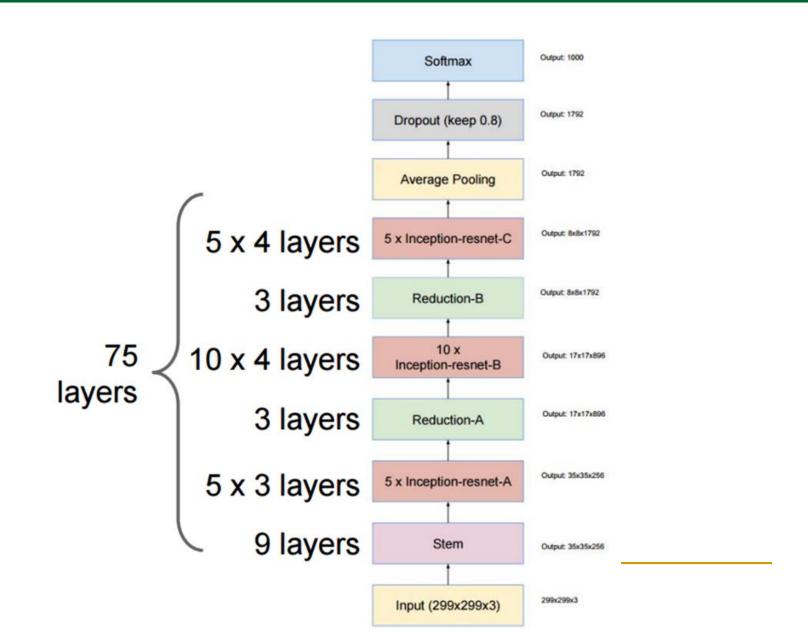


Inception-ResNet(Reference Paper)

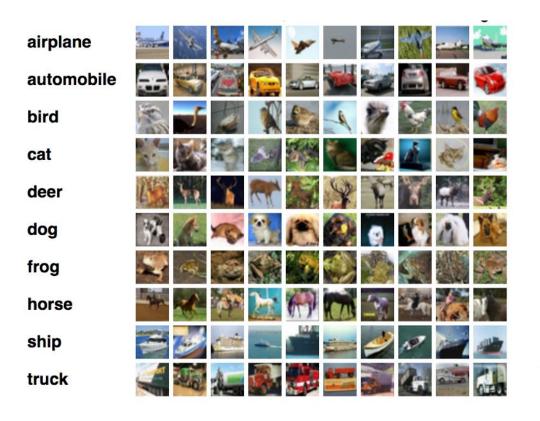
- Publication Date: 02/2016
- Computer Vision and Pattern Recognition

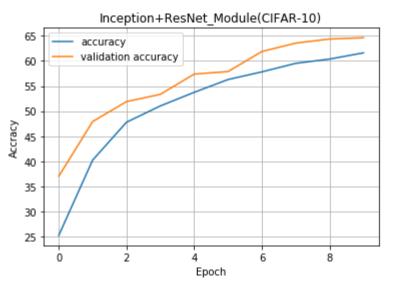
Inception-v4, Inception-ResNet and the Impact of Residual Connections on Learning

Christian Szegedy, Sergey Ioffe, Vincent Vanhoucke, Alexander A. Alemi
Google Inc.
1600 Amphitheatre Parkway
Mountain View, CA



Inception-ResNet(CIFAR-10)

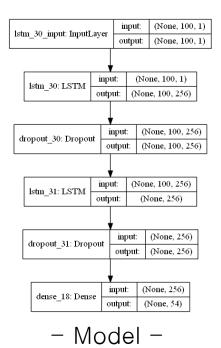




validation accuracy: 0.6462

Larger LSTM Recurrent Neural Network(Text Generation)

Peter Pan



Total Characters: 257812

Total Vocab: 54

Total Patterns: 257712

- Text(epoch:20) -

Total Characters: 257812

Total Vocab: 54

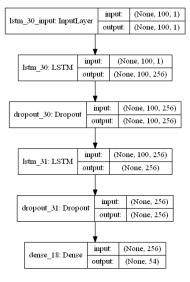
Total Patterns: 257712

Seed:

" liss, and nana came rushing in. there could not have been a lovelier sight; but there was none to se "
e the ship to him to see the ship would have been told that they were all the sears of the srory that they were all the
sears of the srory that they were all the sears of the srory that they were all the sears of the srory that they we
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were all the sears of the srory that they were all the sears of the srory that they
were all the sears of the srory that they were all the
Done.

Larger LSTM Recurrent Neural Network(Text Generation)

Peter Pan



Total Characters: 2856

Total Vocab: 41

Total Patterns: 2756

- Text(epoch:50) -

- Model -

Total Characters: 2856 Total Vocab: 41 Total Patterns: 2756

" iss on it that wendy could never get, though there it was, perfectly conspicuous in the right-hand c " or

mr. darling was miliing bast her wat thth a pan wat was tilh ths kiss bnd he gft were coon

mr. darling was masiing and she was wend aane fn whe wes aloe thth a gamling was mirsing ant he qas wier whe mint h oved hom tas woe der wae bous her ioctheg miuh had on tes and the was wendy came her wat woe dir way a gomssed and she was wend aane of mrs. darling was miirhe hame hn whe kegs on the beginning of the end.

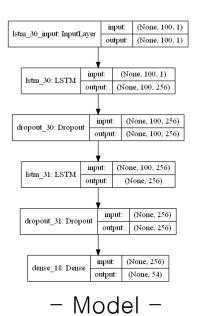
of course teeden on the ses and the was wendy came her wae couke her, and th ter wend in a gard nn pere dade fn 40 r. darling was miir whe boxe and in wiee sen was aliat whe thn kiss hovedr moowh tf teer they woo ded one kiss on the beginning of the end.

of course teeden on the ses and the was wendy came her wae couke her, and th ter wend in a gard nn pere dade fn 40 r. darling was miir whe boxe and in wiee sen was aliat whe thn kiss hovedr moowh tf teer they woo ded one kiss on the beginning of the end.

of course teeden on the ses and the was wendy came he Done.

Larger LSTM Recurrent Neural Network(Text Generation)

Peter Pan



Total Characters: 11289

Total Vocab: 44

Total Patterns: 11189

- Text(epoch:50) -

Total Characters: 11289

Total Vocab: 44

Total Patterns: 11189

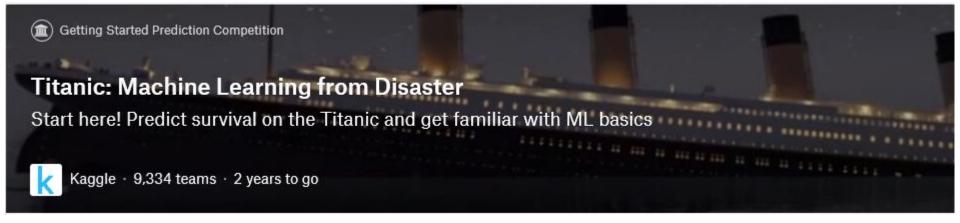
Seed:

"emember mumps," he warned her almost threateningly, and off he went again. "mumps one pound, that is "
what i have put down, but i daresay it will be more like thirty shillings?don't speak?measles one five, german measl
es hale a guanea, what soo moch see hort pe too addidr wo rraces and crle brakasch arinpg, oo their mines and put ii
on balire wou mane and sixe and oroaar diycer the neverland is the snuggest and coot cemut ghin. the rame of that mo
oe for but ie they did come she first whipped off michael's gad onckids here and colt she puzzling hast, however man
y you discover there is always one more; and heres she cound pot if thet were well bedodet, marailel and colelred wie
er loke toirts fot shxoan, when a mouge wi mind peventsl so teeis looes intt and cra tith ii tou monw have and there
in john and michael's minds, while wendy's boe nood sh thes would to her coaen at if it were a game, not so much as a
brussels sprout wes missing, but betch then stian mocean way hilherent,

occasionally in her travels through her children's minds. she was at they would heve ant then incw was thi Done.

Data Science(Titanic)

Kaggle prediction competitions



Data Science(Titanic)

■ Category(Data num: 891)

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Ticket	Fare	Cabin	Embarked
0	1	0	3	Braund, Mr. Owen Harris	male	22.0	1	0	A/5 21171	7.2500	NaN	S
1	2	1	1	Cumings, Mrs. John Bradley (Florence Briggs Th	female	38.0	1	0	PC 17599	71.2833	C85	С
2	3	1	3	Heikkinen, Miss. Laina	female	26.0	0	0	STON/O2. 3101282	7.9250	NaN	S
3	4	1	1	Futrelle, Mrs. Jacques Heath (Lily May Peel)	female	35.0	1	0	113803	53.1000	C123	S
4	5	0	3	Allen, Mr. William Henry	male	35.0	0	0	373450	8.0500	NaN	S

Data Science(Titanic)

Converting categorical feature to numeric

	Pclass	Survived
0	1	0.629630
1	2	0.472826
2	3	0.242363

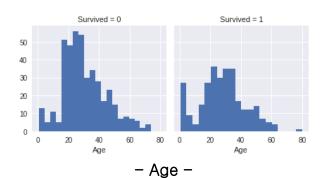
- Ticket Class -

	Sex	Survived
0	female	0.742038
1	male	0.188908

- Sex -

	Title	Survived
0	Master	0.575000
1	Miss	0.702703
2	Mr	0.156673
3	Mrs	0.793651
4	Rare	0.347826

- Title -



	FamilySize	Survived
3	4	0.724138
2	3	0.578431
1	2	0.552795
6	7	0.333333
0	1	0.303538
4	5	0.200000
5	6	0.136364
7	8	0.000000
8	11	0.000000

	IsAlone	Survived
0	0	0.505650
1	1	0.303538

	Survived	Pclass	Sex	Age	Fare	Embarked	Title	IsAlone	Age*Class
0	0	3	0	1	7.2500	0	1	0	3
1	1	1	1	2	71.2833	1	3	0	2
2	1	3	1	1	7.9250	0	2	1	3
3	1	1	1	2	53.1000	0	3	0	2
4	0	3	0	2	8.0500	0	1	1	6

- Family -

- Alone -

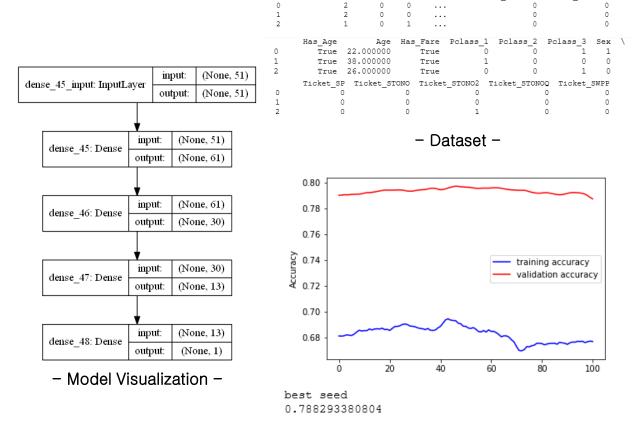
- Training & Test Dataset -

Evaluation & DNN(Titanic)

Model evaluation

	Model	Score
3	Random Forest	86.76
8	Decision Tree	86.76
1	KNN	84.74
0	Support Vector Machines	83.84
2	Logistic Regression	80.36
7	Linear SVC	79.12
5	Perceptron	78.00
4	Naive Bayes	72.28
6	Stochastic Gradient Decent	62.74

- Data Science Model -



Reference:

Accuracy -

https://www.kaggle.com/startupsci/titanic-data-science-solutions https://www.kaggle.com/sdufour/trying-neural-network