Denoising

With encrypted images

Summary

Quick subject presentation

Done and still to do

Encryption

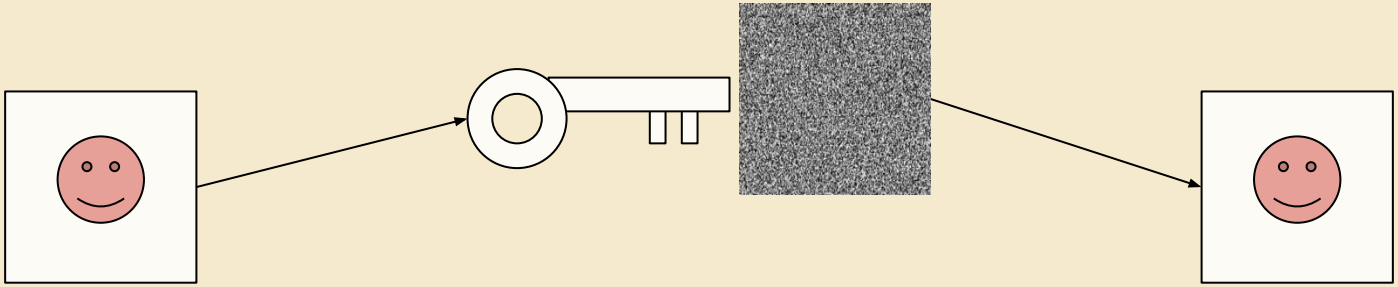
Denoising

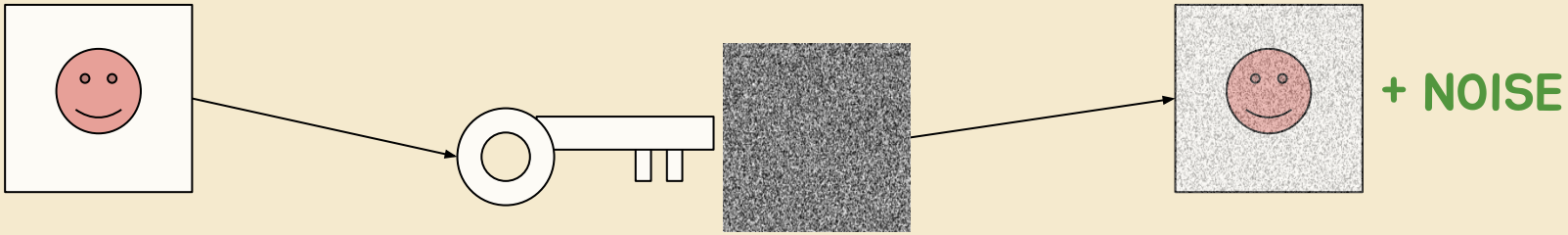
What about CNN ?

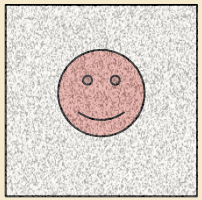
Global work plan

Done

Need to be done




+ NOISE
+ NOISE



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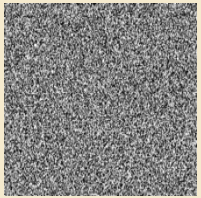
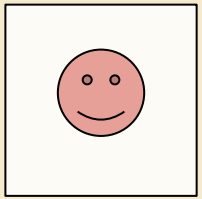


+ NOISE



The Subject

Encryption

Noise propagation

Analyse specials techniques

A lot of algorithms

Denoising

Not only noised images

Answer for encryption techniques

A lot of ways to do that

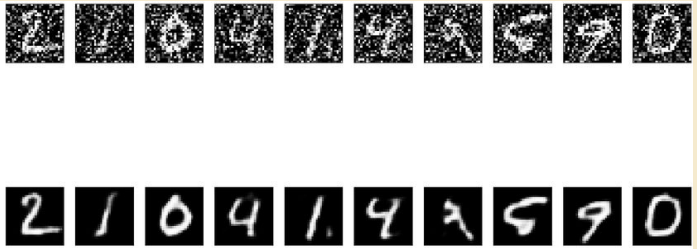
Evaluation

CNN

Classifier

AE

VAE



The Work

Global work plan

Focus on the main encryption techniques

Select specials techniques and develop answers to noise

Evaluation with users metrics

Done

First documentation on the subject

Classifier, Autoencoder and VAE

Some specials denoising techniques based on specials cases

Coding

Keras tutorials

Images manipulations

Planning

Need to be done

More documentations

Encryption techniques (Shamir)

Better understanding of VAE

More code

Noising algorithm

Encryption techniques

AE and VAE

Credits

Theme

https://slidesgo.com/theme/merry-christmas#position-9&results-10417

Images

https://www.wayfair.com/home-improvement/pdp/vintage-timbers-random-width-x-varying-length-barnwood-wall-paneling-hgfh1000.html

https://www.pinterest.fr/pin/514325219949392689/

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https://www.pinterest.ph/pin/nature-landscape-pixel-art-pixelated-pixels-mountains-wavestormed-trees-winter-pine-trees-snow-snowy-peak--1100919071381100363/

https://gfycat.com/fr/stickers/search/hot+chocolate

https://www.pngall.com/wood-window-png/download/108906

http://pixelartmaker.com/art/981cda02051b675

Github link of the project

https://github.com/erwan-reinders/HAI927I-CNN