

Zoom

Nov. 22 (Tue)

Transposed Convolutions

[https://sjsu.zoom.us/rec/share/sDohdJCv1IDfSlIGL0u\\_Q4G84ISJz9WHLJ\\_e1yP0Jl5yNVQTTM-FJOzXBpslEqmH.MVC-Esnp\\_2kVqIWz](https://sjsu.zoom.us/rec/share/sDohdJCv1IDfSlIGL0u_Q4G84ISJz9WHLJ_e1yP0Jl5yNVQTTM-FJOzXBpslEqmH.MVC-Esnp_2kVqIWz)

Passcode: LE.!2W!7

Nov. 17 (Thu)

Up-sampling, Bilinear Interpolation

<https://sjsu.zoom.us/rec/share/CaVHEj7ob5bHm6GxWTvbJvGjGjEyhSULIOmtGkDk5jaQG14tdagz-Vfm7oZq93MQ.zUpcpY3CasjHgHB->

Passcode: xM@eTn70

Nov. 15 (Tue)

Up Sampling (Super Sampling), Bilinear Interpolation Technique

[https://sjsu.zoom.us/rec/share/2AGPfsWngO2x3iZ0yjKnzNETb0V6lN8VMHu\\_ugkFIA3tXtwAT4nHRg4Xt041JiUm.f1PT9oQUKyIkIxYx](https://sjsu.zoom.us/rec/share/2AGPfsWngO2x3iZ0yjKnzNETb0V6lN8VMHu_ugkFIA3tXtwAT4nHRg4Xt041JiUm.f1PT9oQUKyIkIxYx)

Passcode: ?1j&Pv%Y

Nov. 10 (Thr)

Semantic Segmentation, Up Sampling

<https://sjsu.zoom.us/rec/share/Q6lkV1Y4cRESsXYsSiZl1Pecvx6-r95cu-tZ934hz63IkPw282uHsjPgt7DfgNw0.K4HXx95JXBNctdAt>

Passcode: %=Z&2\*3e

Nov. 8 (Tue) Kmean Example

[https://sjsu.zoom.us/rec/share/lBtfWWuHTxiWkxWs1p7NQ0OFF0NHeYSZzeHD\\_1Qdbv6UxHEEq3OmBxxZopNETAR9.8gg1RBLiProW2Hk9](https://sjsu.zoom.us/rec/share/lBtfWWuHTxiWkxWs1p7NQ0OFF0NHeYSZzeHD_1Qdbv6UxHEEq3OmBxxZopNETAR9.8gg1RBLiProW2Hk9)

Passcode: ii3+UZ&Y

Nov. 3 (Thu)

Midterm

Nov. 1 (Tue)

Review

[https://sjsu.zoom.us/rec/share/bpFaKeqapXeJB28TQV3FcdB-uCmB95lJdSHjfqnkuUmyaaYG\\_IGpkbuy805zuqVk.qSNpnf6Va5sgIPSt](https://sjsu.zoom.us/rec/share/bpFaKeqapXeJB28TQV3FcdB-uCmB95lJdSHjfqnkuUmyaaYG_IGpkbuy805zuqVk.qSNpnf6Va5sgIPSt)

Passcode: V93e%ka@

Oct 27 (Thu)

Yolo, K-mean for Prob. Map

<https://sjsu.zoom.us/rec/share/KlpnARnJfMZgxMaiW6nKYyZMj0QG7M6szi2X275BImOmILDnFAQ7GUaC5ADEZDlu.xRLAkdpTzCfOq0ox>

Passcode: 4q+c&u#3

Oct 25 (Tue)

Yolo Probability distribution map, K-mean for Prob. Map

[https://sjsu.zoom.us/rec/share/](https://sjsu.zoom.us/rec/share/bG0wP0b9JBMa7Lycc6syqUhFLgSBbFGE1vv_4aqAWqKiaZNLPDnzQMNWd9aGRSPy.7-FWEgbaGZdpSkuY)

[bG0wP0b9JBMa7Lycc6syqUhFLgSBbFGE1vv\\_4aqAWqKiaZNLPDnzQMNWd9aGRSPy.7-FWEgbaGZdpSkuY](https://sjsu.zoom.us/rec/share/bG0wP0b9JBMa7Lycc6syqUhFLgSBbFGE1vv_4aqAWqKiaZNLPDnzQMNWd9aGRSPy.7-FWEgbaGZdpSkuY)

Passcode: 7VwcBC1\*

Oct 20 (Thu)

Yolo Loss Function, Yolo Probability distribution map, K-mean for Prob. Map

[https://sjsu.zoom.us/rec/share/](https://sjsu.zoom.us/rec/share/T_OKBML8Qw73J5pU4kehrLXW6cQOzYkvlFMYF9msZVoVheixLoeBnOY_LWNG9I0w.gS1sxC2uRzDah9Kf)

[T\\_OKBML8Qw73J5pU4kehrLXW6cQOzYkvlFMYF9msZVoVheixLoeBnOY\\_LWNG9I0w.gS1sxC2uRzDah9Kf](https://sjsu.zoom.us/rec/share/T_OKBML8Qw73J5pU4kehrLXW6cQOzYkvlFMYF9msZVoVheixLoeBnOY_LWNG9I0w.gS1sxC2uRzDah9Kf)

Passcode: UNU0Rc?1

Oct 18 (Tue)

Yolo and Intro to Bayesian Theorem

[https://sjsu.zoom.us/rec/share/CJHnHyX6Kk2BRkU40l2IiWlp83RierLYSQcD\\_SnW-](https://sjsu.zoom.us/rec/share/CJHnHyX6Kk2BRkU40l2IiWlp83RierLYSQcD_SnW-J1OCBn8ro0XlvNar5e0BRjj.-gbd0-DhvyRvYqgi)

[J1OCBn8ro0XlvNar5e0BRjj.-gbd0-DhvyRvYqgi](https://sjsu.zoom.us/rec/share/CJHnHyX6Kk2BRkU40l2IiWlp83RierLYSQcD_SnW-J1OCBn8ro0XlvNar5e0BRjj.-gbd0-DhvyRvYqgi)

Passcode: X6tJVw=@

Note: It was noticed the previous published link from Zoom server was the same as the previous one, after checking with Zoom server, this is their new updated link.

Oct. 13 (Thu)

Yolo Introduction

(2<sup>nd</sup> check, it looks like the same link as the first one on this lecture, it may be the issue from Zoom server if it is still not working.)

[https://sjsu.zoom.us/rec/share/N7kNqKd6ehc44lhr-kLIYZgIJY-](https://sjsu.zoom.us/rec/share/N7kNqKd6ehc44lhr-kLIYZgIJY-RMvbuckuXJrAB7fdJAI7cj6gAe9pvKpq3NmOQ.VJfQ0Cdq4xJmAf2)

[RMvbuckuXJrAB7fdJAI7cj6gAe9pvKpq3NmOQ.VJfQ0Cdq4xJmAf2](https://sjsu.zoom.us/rec/share/N7kNqKd6ehc44lhr-kLIYZgIJY-RMvbuckuXJrAB7fdJAI7cj6gAe9pvKpq3NmOQ.VJfQ0Cdq4xJmAf2)

Passcode: Wq.Bg&s9

Note: It was noticed this link and passcode are checked again, they were sent the same to us by Zoom server on the 13<sup>th</sup> of Oct, see figure below. Checking with IT to find out if it was the correct one. Meanwhile please use the white board lecture notes on the class github for review purpose.

Your cloud **recording** is now available.

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Passcode: Wq.Bg&s9



Oct. 11 (Tue)

**Preprocessing Contours**

[https://sjsu.zoom.us/rec/share/3j9h8yp2hKOi75JslygZ\\_vUf6G6bOzJoJjiM1bmlllgfNX6\\_RNV\\_sODxy5feWU7i.qbTyFqzmrxb3jF4b](https://sjsu.zoom.us/rec/share/3j9h8yp2hKOi75JslygZ_vUf6G6bOzJoJjiM1bmlllgfNX6_RNV_sODxy5feWU7i.qbTyFqzmrxb3jF4b)  
Passcode: 2&kS2ppi

Oct. 6 (Thu)

**MNIST**

[https://sjsu.zoom.us/rec/share/IroO-Qs\\_YNgNqFCBXIM4cpOU5yqZ79MzAx58CZA-mpqrDSSzSKN-Nsle0OT3nYG-.PhYBXEvPTtVjzhy2](https://sjsu.zoom.us/rec/share/IroO-Qs_YNgNqFCBXIM4cpOU5yqZ79MzAx58CZA-mpqrDSSzSKN-Nsle0OT3nYG-.PhYBXEvPTtVjzhy2)  
Passcode: 37Ps8j\$e

Oct. 4 (Tue)

**Preprocessing and MNIST**

<https://sjsu.zoom.us/rec/share/XDDP5EIZl4QrDp70QGqS7-tBeMqa3eqLOghFtvSZxlq39bfD4OeywA0zzAGas36T.rfSI6xezgXbkUVb3>  
Passcode: %\*kba&q9

Sept 29 (Thu)

**2D convolution**

<https://sjsu.zoom.us/rec/share/EVyCs-6TBpRMjpTc9uYXtQQS9WRtlddjclp-8iE97o2jwsyXvLKJAKMhmqOHNJll.Gi62XKvTuLHHKa-e>  
Passcode: w?2AMsN4

Sept 27 (Tue)

**2D convolution with hand calculation**

<https://sjsu.zoom.us/rec/share/xaSHn3q-PZEzMZ4VoJx2ISSEQJdTwnwyVZPQ2crYEDOfPJt7OEKYanHqNy3ffdc.8k2dR0wJm0WQH4RJ>  
Passcode: V\*2.wz!E

Sept 22 (Thu)

X-bar, Y-bar, and 2D convolution introduction

[https://sjsu.zoom.us/rec/share/2-It4KpJxUxKai5baVUNhmia-qbDN4Z79c5M9BUM\\_XSTLv7JTxf9IyBPTLGFDKl.Dgx4zp53aoH-A6xr](https://sjsu.zoom.us/rec/share/2-It4KpJxUxKai5baVUNhmia-qbDN4Z79c5M9BUM_XSTLv7JTxf9IyBPTLGFDKl.Dgx4zp53aoH-A6xr)

Passcode: 8iBB53@h

Sept. 20 (Tue)

CV Processing and Hand Calculation Examples

[https://sjsu.zoom.us/rec/share/uAUPX8DImp78LFAQytEC4NytMINfmGbV8FhXM3DRNZMt0VFYY7-wFUloUQwmk\\_S.n4y4zA6CNjEOtRMa](https://sjsu.zoom.us/rec/share/uAUPX8DImp78LFAQytEC4NytMINfmGbV8FhXM3DRNZMt0VFYY7-wFUloUQwmk_S.n4y4zA6CNjEOtRMa)

Passcode: uErU2u#7

Sept 15 (Thu)

Finish up simple Python code for FFNN, Binary Images

[https://sjsu.zoom.us/rec/play/zbkInKAYtIcldejPqXbZYBQvJULquxXUzl\\_RGJs5V7GTryhpUugA\\_Bnfn4L-fC\\_fg2aQVJRN9LAWkvVd.iRFdoien8m9aiKvx?continueMode=true](https://sjsu.zoom.us/rec/play/zbkInKAYtIcldejPqXbZYBQvJULquxXUzl_RGJs5V7GTryhpUugA_Bnfn4L-fC_fg2aQVJRN9LAWkvVd.iRFdoien8m9aiKvx?continueMode=true)

Passcode: cK8OiXQ!Passcode: cK8OiXQ!

Preliminary Simple Python Code for FFNN implementation (without TF)

Sept. 13, Tuesday

[https://sjsu.zoom.us/rec/share/YgvgYon4MkYe\\_ks5bIHktNDBCJrK16aJPF9TX0zCWlaKL8TU0WuvNKXVg5RVDHs.hq4b3II\\_Dk8iGRF4](https://sjsu.zoom.us/rec/share/YgvgYon4MkYe_ks5bIHktNDBCJrK16aJPF9TX0zCWlaKL8TU0WuvNKXVg5RVDHs.hq4b3II_Dk8iGRF4)

Passcode: .s1ee5Vy

Sept. 8<sup>th</sup>, Thursday

Gradient Descent, OpenCV Homework

[https://sjsu.zoom.us/rec/share/XFEfnGTWvpaC4KcV6JNAwLynfEP4KL6LAt2E6tbvQY3VOtymkD6A3sgUYImY\\_y\\_F.ofI2H-dja2RjcL7d](https://sjsu.zoom.us/rec/share/XFEfnGTWvpaC4KcV6JNAwLynfEP4KL6LAt2E6tbvQY3VOtymkD6A3sgUYImY_y_F.ofI2H-dja2RjcL7d)

Passcode: bF?BQ#=1

Sept. 6<sup>th</sup>, Tuesday

Gradient Descent

<https://sjsu.zoom.us/rec/share/gbIwUfmg19Pv5KMsmvhkLpCpPlx4itWLYwlYwBqPCg01TaeBiO4ZIIMw9bjfq2o.1qFr2SpMx2e9X-J>

Passcode: [1&w@FhpW](#)

Sept 1 Thursday

Formulation and loss function.

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Aug 30 Tuesday

Notation, formulation and loss function.

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Aug 25 Th

Introduction, Quick Look at DCNN Architecture and Single Neuron

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Aug 23 Tue

Organizational Meeting

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