ST 463 - Advanced Machine Learning

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# Lab: CNN models lab

Please work with your team.

1. How many parameters in the filter of slide 4?
2. How many parameters in the blurring filter of slide 6?
3. How many parameters are needed for the pooling operation of slide 9?
4. How many parameters are involved in slide 16, where there are 2 input channels and 3 filters, each of length 3?
5. If there were 3 input channels, 8 filters, and each filter had length 5, and the input length is 100, what would the number of parameters be?
6. If you still have time, try playing with the code shared in today's lecture:
   * try creating your own filters
   * try combining filters in ways not shown in lab