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- You can follow along with the video using this notebook: Deep Features for Image Retrieval.ipynb ([https://eventing.coursera.org/api/redirectStrict/Rt6Z7XdhJZWT4x0KFr2r0VTVPuJJQGpz1Wx1Y1tT418pAOggKtaCWksQz1zj9BFjNaXDyNt8j2ufNsEmWbdDbdw.OSTTA\\_NO\\_Na\\_OG0djfziUw.EwbNB2wxnLYaUAdZ-GtgGHDjcOqclVHHYA87dl6pLO7eguTlSYemnFI8Sj1R1G--zwPDHgdPojhrRZTKmzG8Ocsk8JnsKhMiLfkaSTvHdfLmSiRocgHxQZPpdrN43Q1yl7aq-n8xwmsmQ\\_Af6W0QyHfcQREcT1fPuH2OOBfZG1jweHIHVS-OJYVG8rMkA0K5XCfHvRn9itg5vr646UhWu\\_CAI0k49YsJhu7jR6NyAUJatI-FDnClxEq6Lm6iRCumVYv7Drp8FkGrrNZC6VuAA5U1ZPV4CxDantJ\\_Hcpr6FeQLgagsQ81D6uXj-J1fZqvKAMUm85PzEYEKVD3WB-FdYdl9tDkIC0A68tUg2ncQHTqzLUJmeAPe6j25Sw0xx2N8bxehpa6XRN-jVN\\_-iXyydqf\\_2ljsTVwM3PnFpRSZLGB4XDvAq6XWUDJQAAAEtg7xbGEXWGMcdBLunZPqziizSmTPIPtahUsh3\\_dfXD6biZWC3NaHm0oYu\\_mSHv5w8omyuUnk-hp4bSmHhyQyTgA](https://eventing.coursera.org/api/redirectStrict/Rt6Z7XdhJZWT4x0KFr2r0VTVPuJJQGpz1Wx1Y1tT418pAOggKtaCWksQz1zj9BFjNaXDyNt8j2ufNsEmWbdDbdw.OSTTA_NO_Na_OG0djfziUw.EwbNB2wxnLYaUAdZ-GtgGHDjcOqclVHHYA87dl6pLO7eguTlSYemnFI8Sj1R1G--zwPDHgdPojhrRZTKmzG8Ocsk8JnsKhMiLfkaSTvHdfLmSiRocgHxQZPpdrN43Q1yl7aq-n8xwmsmQ_Af6W0QyHfcQREcT1fPuH2OOBfZG1jweHIHVS-OJYVG8rMkA0K5XCfHvRn9itg5vr646UhWu_CAI0k49YsJhu7jR6NyAUJatI-FDnClxEq6Lm6iRCumVYv7Drp8FkGrrNZC6VuAA5U1ZPV4CxDantJ_Hcpr6FeQLgagsQ81D6uXj-J1fZqvKAMUm85PzEYEKVD3WB-FdYdl9tDkIC0A68tUg2ncQHTqzLUJmeAPe6j25Sw0xx2N8bxehpa6XRN-jVN_-iXyydqf_2ljsTVwM3PnFpRSZLGB4XDvAq6XWUDJQAAAEtg7xbGEXWGMcdBLunZPqziizSmTPIPtahUsh3_dfXD6biZWC3NaHm0oYu_mSHv5w8omyuUnk-hp4bSmHhyQyTgA))
- Download the wikipedia dataset with training images here: **image\_train\_data.zip** ([https://eventing.coursera.org/api/redirectStrict/\\_XUO4\\_pKylanZdLnY3SKKPMjKAiS5MU6GcO35wQFgieEvs3WmMd4KQtw91bofILAK12-G88X4YLUqbCEJPDeYA.\\_Vmcm42cf2HvuTJxbhrFFg.-DMBKWzlnZarAn-WgINRf8UILEU\\_UqdN5sYkQ3nQWdqqQ-rwcdYcMvYwYG\\_6Dzr2\\_4IMphUpNDD\\_ghrF5BRILjKDtsXXZp\\_qopjSD\\_L3oX0mWpIOhksWUHy0OaWb3LSpOgSldqigcBcoJbLssmj1jZeJ5d448hMGm6kNnY8GdPhSCx7EL0cEOSRT6zIL9l0OWcs6Azy7QcLqWP8MryMqPqhPRT8P-UTq13CYlhVzgW0kdccmsWGvDL6U8QwPqqHskYKadZMaS9qn0VU\\_Aquj0bu-tNs4efFR8vfRHrnpv-NuCB5FGoTKPuYmXlouLx2yqEgNu0lhDIWjt-PeHYStsn2CBADd1-Aml8nTh\\_8fgk4m\\_EaQV1VayX-klR-LDv3VzSiqIEKbusXdm\\_C1up5H4kf41LuDW-tUN2fHV37dEFODFcniWa2BEsgwY1Z-vhjymfzKg12-sG721D1L0nbowg](https://eventing.coursera.org/api/redirectStrict/_XUO4_pKylanZdLnY3SKKPMjKAiS5MU6GcO35wQFgieEvs3WmMd4KQtw91bofILAK12-G88X4YLUqbCEJPDeYA._Vmcm42cf2HvuTJxbhrFFg.-DMBKWzlnZarAn-WgINRf8UILEU_UqdN5sYkQ3nQWdqqQ-rwcdYcMvYwYG_6Dzr2_4IMphUpNDD_ghrF5BRILjKDtsXXZp_qopjSD_L3oX0mWpIOhksWUHy0OaWb3LSpOgSldqigcBcoJbLssmj1jZeJ5d448hMGm6kNnY8GdPhSCx7EL0cEOSRT6zIL9l0OWcs6Azy7QcLqWP8MryMqPqhPRT8P-UTq13CYlhVzgW0kdccmsWGvDL6U8QwPqqHskYKadZMaS9qn0VU_Aquj0bu-tNs4efFR8vfRHrnpv-NuCB5FGoTKPuYmXlouLx2yqEgNu0lhDIWjt-PeHYStsn2CBADd1-Aml8nTh_8fgk4m_EaQV1VayX-klR-LDv3VzSiqIEKbusXdm_C1up5H4kf41LuDW-tUN2fHV37dEFODFcniWa2BEsgwY1Z-vhjymfzKg12-sG721D1L0nbowg))
- Download the wikipedia dataset with test images here: **image\_test\_data.zip** ([https://eventing.coursera.org/api/redirectStrict/pkE29421qcQnJwJZC0ZHNg7jsclePqsgkmeQznByo9nIT\\_R0X932K79b\\_FAabjDN-crOoksZDBHpWmQUga-lqw.coEiq3TIK4r2Ha1LASIT8A.P5soKLNabxbCE-nnGrOIH\\_4JRdprWO983mXsDE0sRaDBjXWAUK7tPnDpA5Bmuj2sAt6iYGjVTZV2KGydxjKHAYwkn4eFypUS4k1xYHNqUDrRymxLFpExuv0PYsXQcPRI4-eEgJdhjOOTn5oBUTzGX2EmTgpD1-lyNg2zHSIQ-9TGNK7a8QcqST2uWgHD-PwkjgFpj1HFvVO9vdbgv5scPf8MPtkmRmWFT77wbG08qiUSeHDhZGrxkZ8rcyrWcnrfB59DuHM4JS\\_boOj6pnjeOF-T5lpBITAq94EuSBVH5VwbzgRuSgQlxbanWWewk987RDgMGoeHd\\_CQlw5NWpNFfhPOSwMoBm\\_dtwu7\\_6UO4DM23rg7Tpy6mEGow2Q-1vBg2KzWDnyO6EVpi7e5VUniuZq4bY7t\\_tYHJQej4IEw1yJvsxnFZFhrzDvjP97sv8](https://eventing.coursera.org/api/redirectStrict/pkE29421qcQnJwJZC0ZHNg7jsclePqsgkmeQznByo9nIT_R0X932K79b_FAabjDN-crOoksZDBHpWmQUga-lqw.coEiq3TIK4r2Ha1LASIT8A.P5soKLNabxbCE-nnGrOIH_4JRdprWO983mXsDE0sRaDBjXWAUK7tPnDpA5Bmuj2sAt6iYGjVTZV2KGydxjKHAYwkn4eFypUS4k1xYHNqUDrRymxLFpExuv0PYsXQcPRI4-eEgJdhjOOTn5oBUTzGX2EmTgpD1-lyNg2zHSIQ-9TGNK7a8QcqST2uWgHD-PwkjgFpj1HFvVO9vdbgv5scPf8MPtkmRmWFT77wbG08qiUSeHDhZGrxkZ8rcyrWcnrfB59DuHM4JS_boOj6pnjeOF-T5lpBITAq94EuSBVH5VwbzgRuSgQlxbanWWewk987RDgMGoeHd_CQlw5NWpNFfhPOSwMoBm_dtwu7_6UO4DM23rg7Tpy6mEGow2Q-1vBg2KzWDnyO6EVpi7e5VUniuZq4bY7t_tYHJQej4IEw1yJvsxnFZFhrzDvjP97sv8))
- Save all of these files in the same directory (where you are calling iPython notebook from) and

unzip the data files.

- Open the notebook using IPython Notebook.
- Note that this is the same notebook used in the programming assignment for this module.



(/learn/ml-

foundations/lecture/MNIST/1/training-  
evaluating-a-classifier-using-deep-  
features)



(/learn/ml-

foundations/lecture/GoSLW/loading-  
image-data)