**Exercise 11 – Registration (22.January.2018 16h-17h)**

Consider the following two images:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 0 | 0 | 0 |  |  |
| 0 | 1 | 0 |  |  |
| 0 | 0 | 0 |  |  |
|  |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1 | 1 | 1 |  |  |
| 1 | 0 | 1 |  |  |
| 1 | 1 | 1 |  |  |
|  |  |  |  |  |

1. Calculate the correlation of the two images.
2. Calculate the mutual information of the two images.
3. Use Matlab to calculate the values above
4. Load A and small A and use the correlation metric to discover where did small A come from in A. There was no transformation applied.
5. How can they be used in registration?

