

# CV201 HW2

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## 1 Estimation: Comparisons with the Nearly-exact Values

### 1.1 HW2: empirical exceptionation

temperature	$\hat{E}_{Temp}(X_{(1,1)}X_{(2,2)})$	$\hat{E}_{Temp}(X_{(1,1)}X_{(8,8)})$
1	0.9462	0.8992
1.5	0.9006	0.8196
2	0.8548	0.7278

### 1.2 Independent Sample

temperature	$\hat{E}_{Temp}(X_{(1,1)}X_{(2,2)})$	$\hat{E}_{Temp}(X_{(1,1)}X_{(8,8)})$
1	0.9238	0.5414
1.5	0.7474	0.3656
2	0.5240	0.1056

### 1.3 Ergodicity

temperature	$\hat{E}_{Temp}(X_{(1,1)}X_{(2,2)})$	$\hat{E}_{Temp}(X_{(1,1)}X_{(8,8)})$
1	0.9514	0.9030
1.5	0.7649	0.5433
2	0.5092	0.1144

## 2 Image Restoration

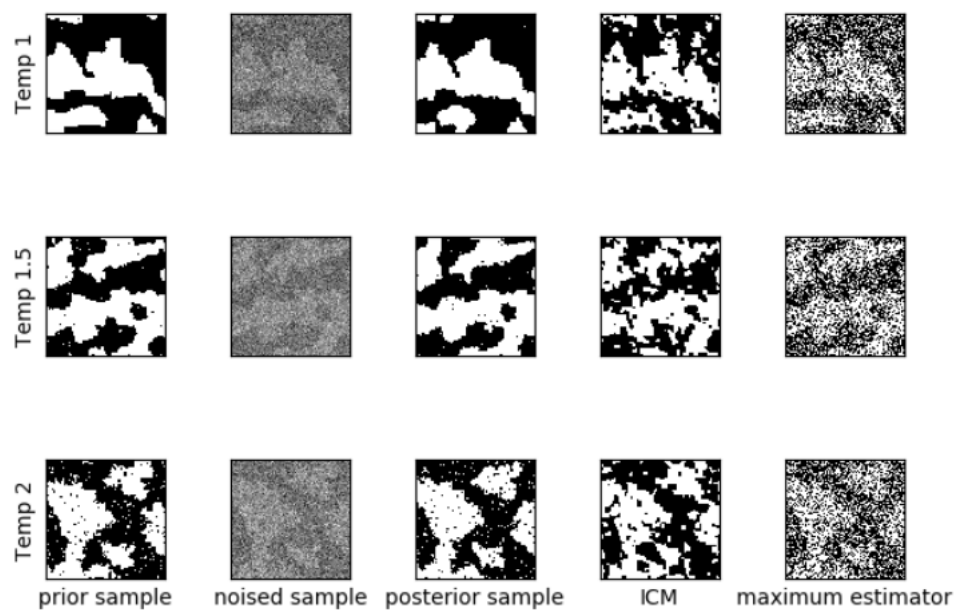


Figure 1: Image restoration exercise