

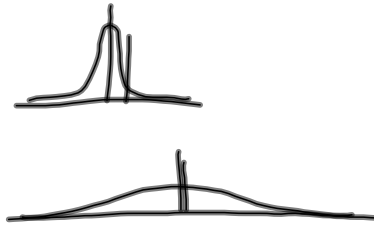
Lecture 20 comments on HW2: 20-1

1. show n, n_0, r
2. show v
3. show units if applicable
4. N^{-1} , $\text{inv}(N)$
 N^+ , pseudo-inverse, $\text{pinv}(N)$
 if N full rank $N^+ = N^{-1}$
5. need to see matlab script + numerical output

6.

w	v
4	.001
4	-.006
4	.015
4	.013
{ 1	-.238
1	-.171
4	.024
4	.025
:	:

weight small
residuals large

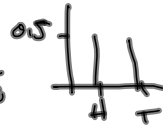


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Probability + Statistics

20-2

Random variable $\begin{cases} \text{discrete} \\ \text{continuous} \end{cases}$



scale so area = 1



probability density functions

- normal: gaussian
- std normal
- MVN
- t, χ^2 , F, exp, uniform
- noncentral χ^2 , noncentral F
- ...

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