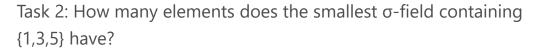# Homework on Probability Spaces

Corresponds to hw_ps_20201025v1.pdf

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Which Probability and Statistics meetings do you attend?

- ☐ Thursday morning (Japan time)
- ☑ Sunday evening (Japan time)
- ☐ Neither of the two options above

Detailed calculations

Here you may upload a PDF with your calculations. But it is not required.

⊕ Drop files here

Task 1: The size of the sample space is 2^x. What is the value of x?

10002.0000

Task 2: How many elements does the smallest σ-field containing {1,3,5} have?

4

Your number of elements of the first σ-field is correct!

Task 2: List the elements of the smallest σ-field that contains {1,3,5}.

Not automatically validated.

{Ø, 1, 3, 5}

Task 2: How many elements does the smallest σ-field containing {1,2} and {1,2,3,4} have?

8

Your number of elements for the second σ-field is correct!

Task 2: List the elements of the smallest σ-field that contains {1,2} and {1,2,3,4}.

Not automatically validated.

{Ø, 1, 2, 3, 4, {1,2}, {3,4}, {1,2,3,4}}

Task 3: What is the mean value of y for your generated sample?

Not automatically validated.

0.3360

Task 3: What is the analytically calculated expected value of y?

0.3333

Your analytically calculated value of y is correct!

Submit

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