On one side of Philosophy of Statistics

Andrey Pepelyshev





"Always expect the unexpected" Driving recommendation

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Main question in statistics

• Let we have two samples

$$x_1, x_2, \ldots, x_n$$

$$y_1, y_2, \ldots, y_n$$

where $x_i, y_i \in \mathbb{R}$ • Let $\rho = 0.6$



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What does " $\rho = 0.6$ " mean for the given data?

Datasets with $\rho = 0.6$



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Definition of Statistics

• Statistics is ...

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a family of rules helping to look at data from different angles.



• Statistics is ...



a family of rules helping to look at data from different angles.

Statistics is the philosophy of the unexpected. Bayesian Statistics is the philosophy of the expected.

