확률분포
(Probability Distribution)

Probability Distribution

Start End

Sample Space

Probability Distribution

Start End

Sample Space

Probability Distribution

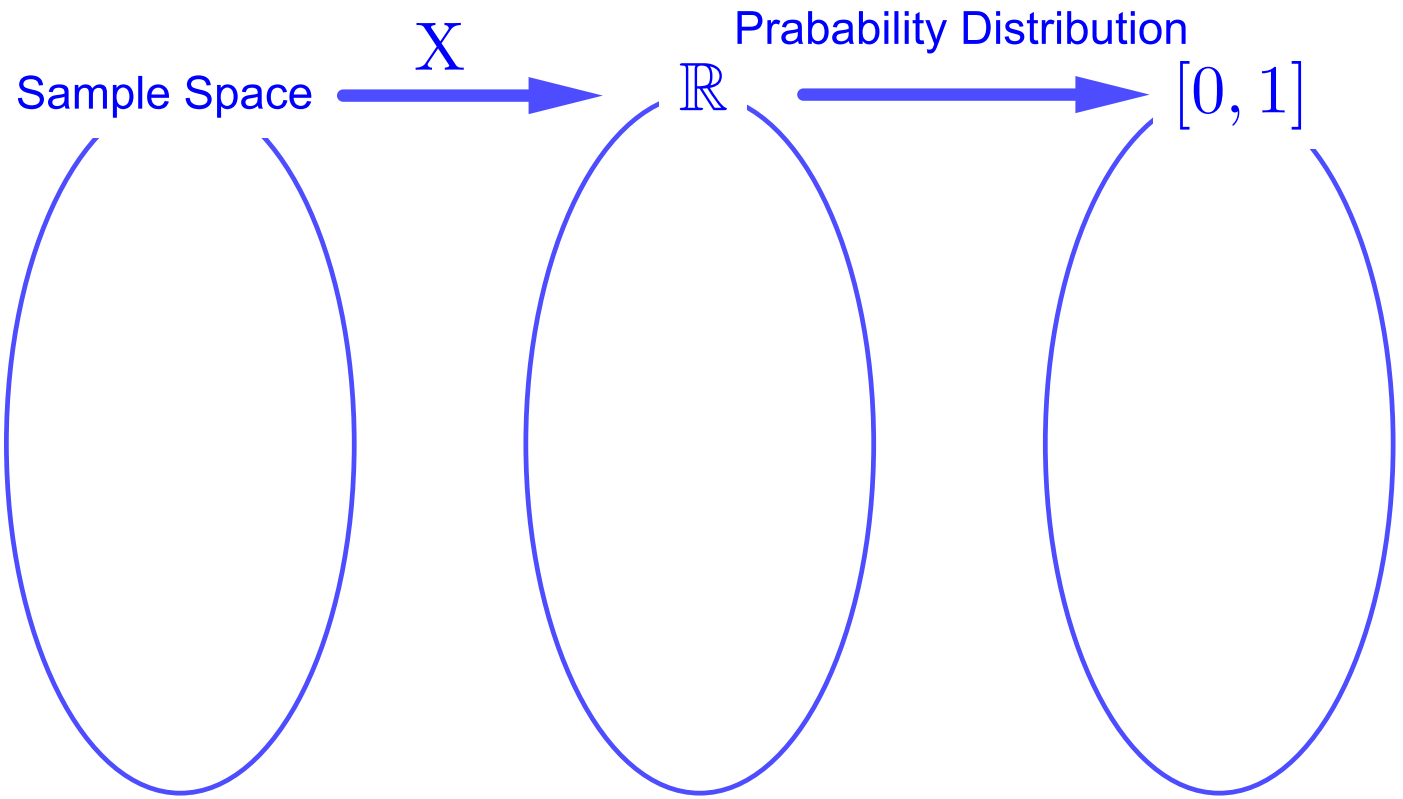
Sample Space
X
$\mathbb{R}$

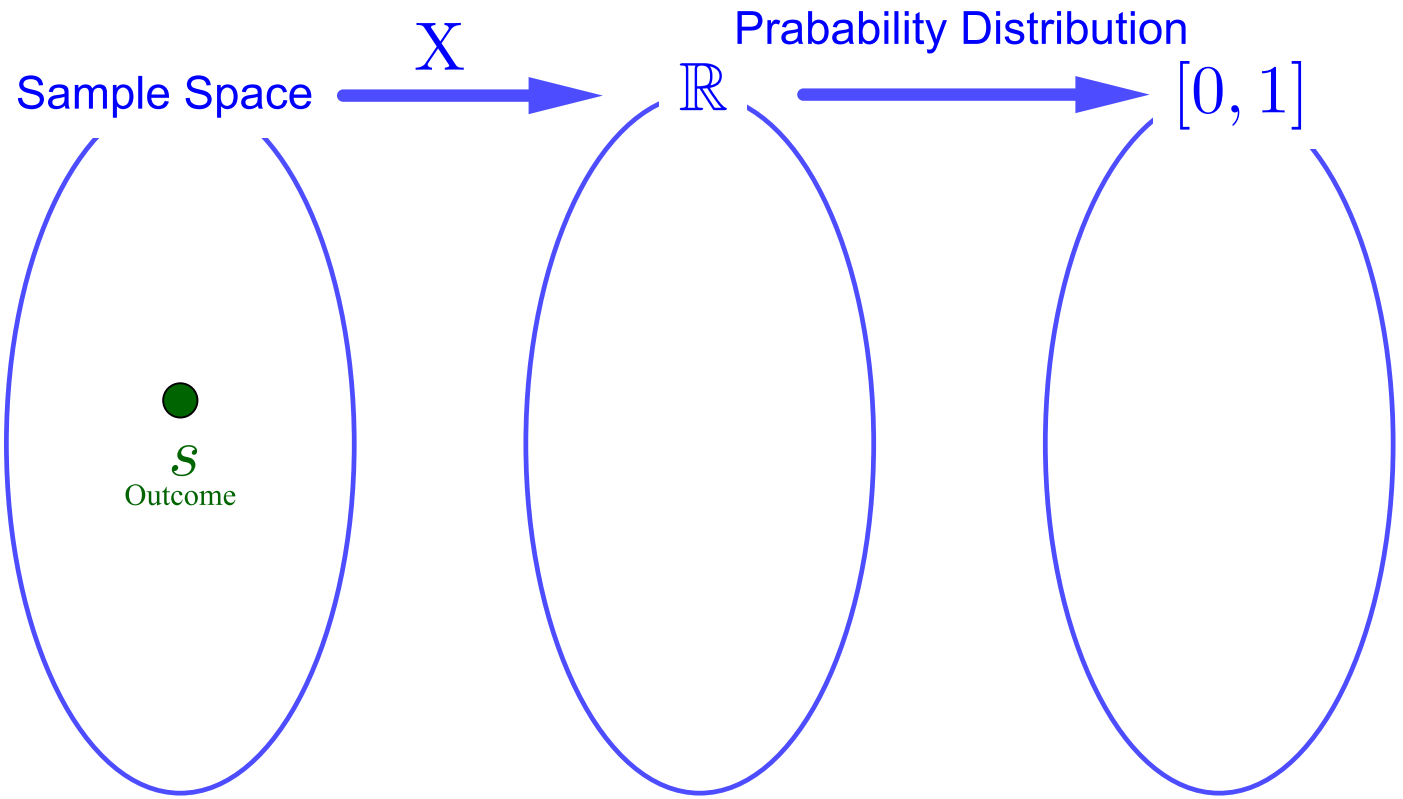
Sample Space
X
ℝ

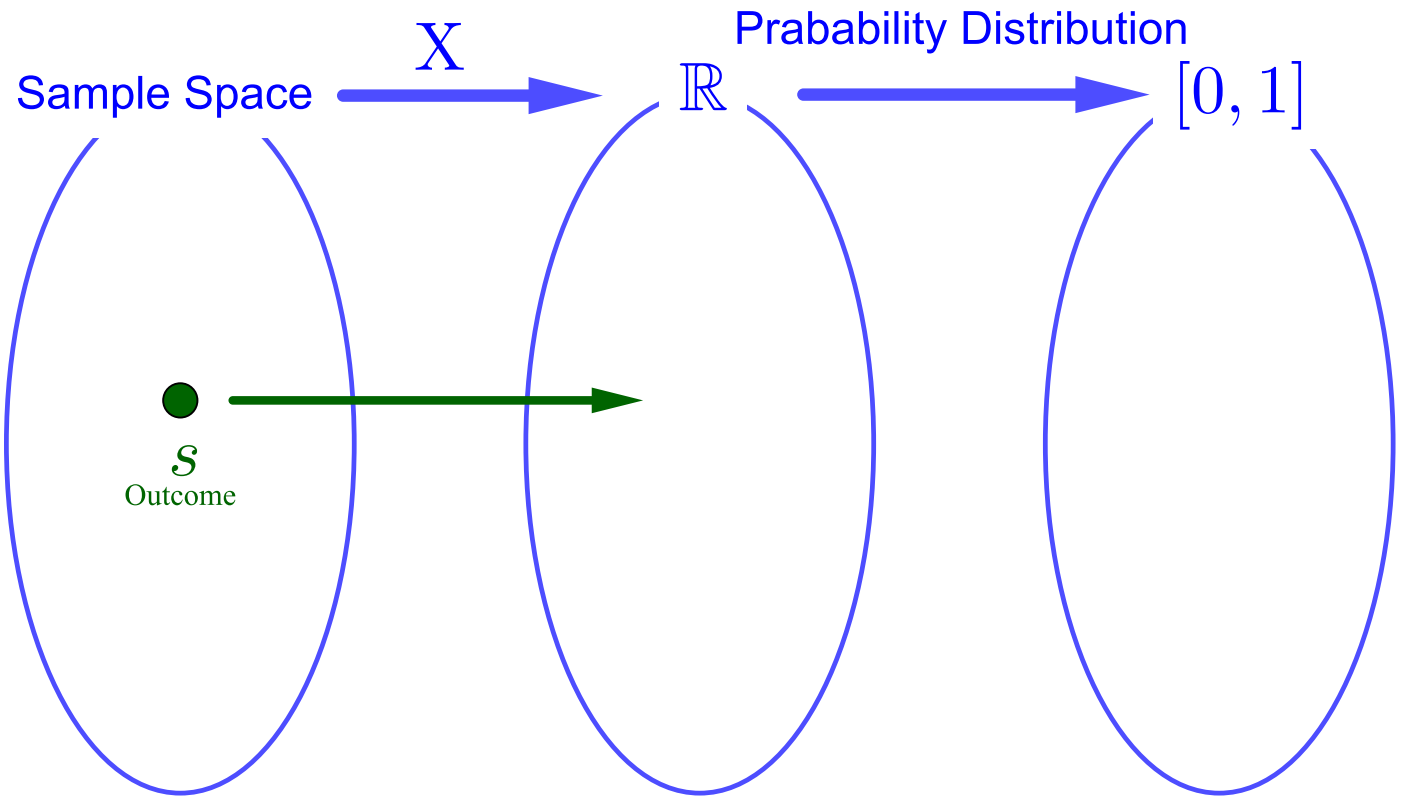
Sample Space
X
$\mathbb{R}$
$[0, 1]$

Probability Distribution

Start End

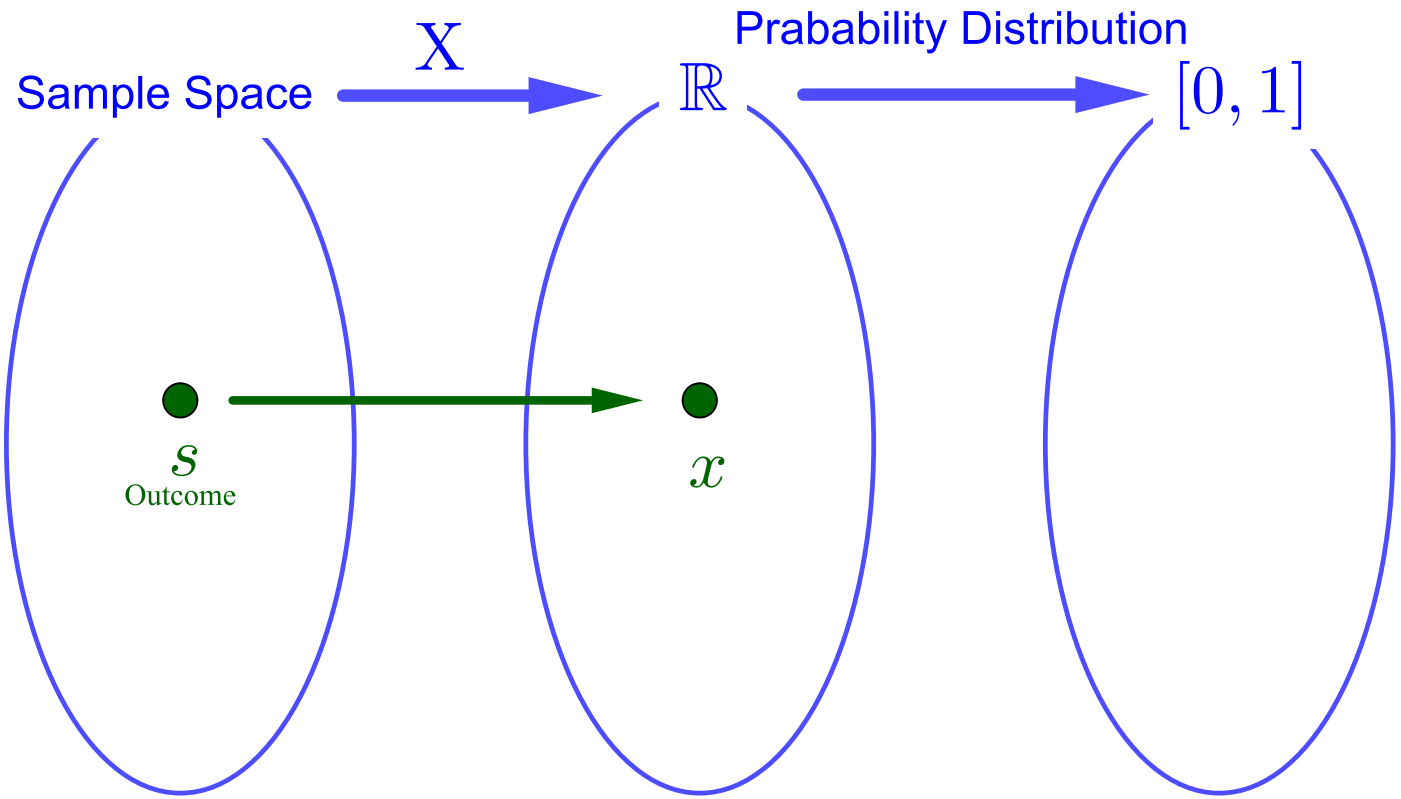

Sample Space
X
$\mathbb{R}$
Prabability Distribution
$[0, 1]$

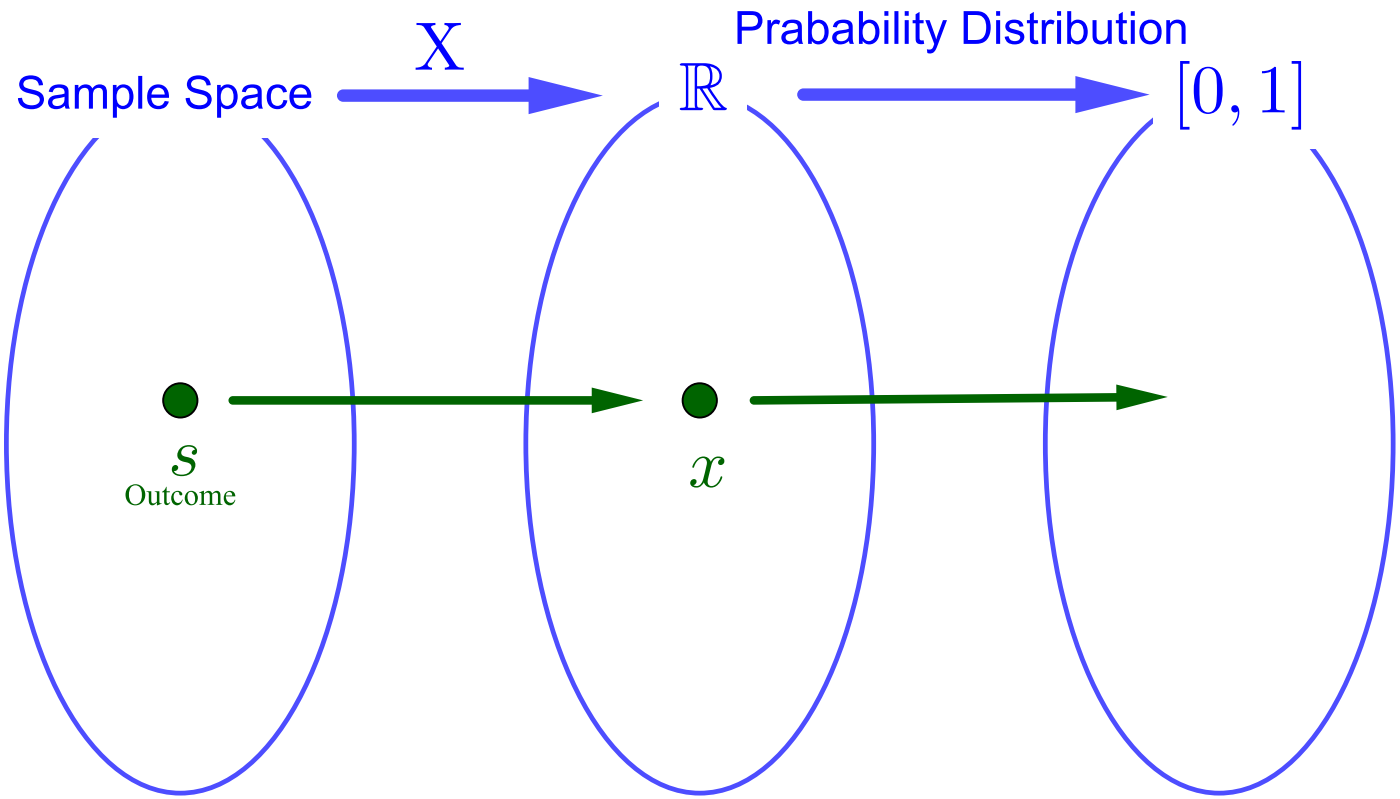

Sample Space
X
Prabability Distribution
$\mathbb{R}$
$[0, 1]$
s
Outcome


Sample Space
X
$\mathbb{R}$
Prabability Distribution
$[0, 1]$
s
Outcome

Probability Distribution

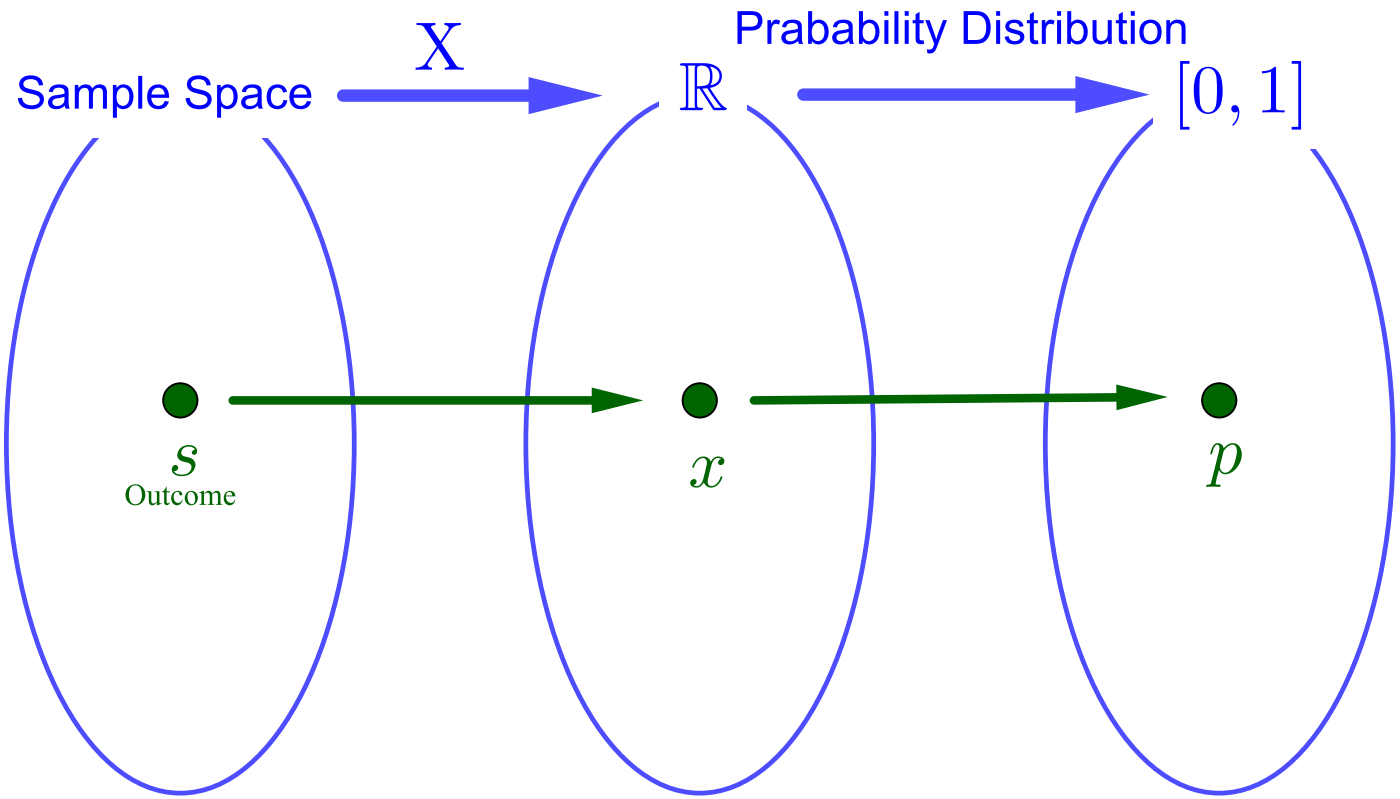
Start End

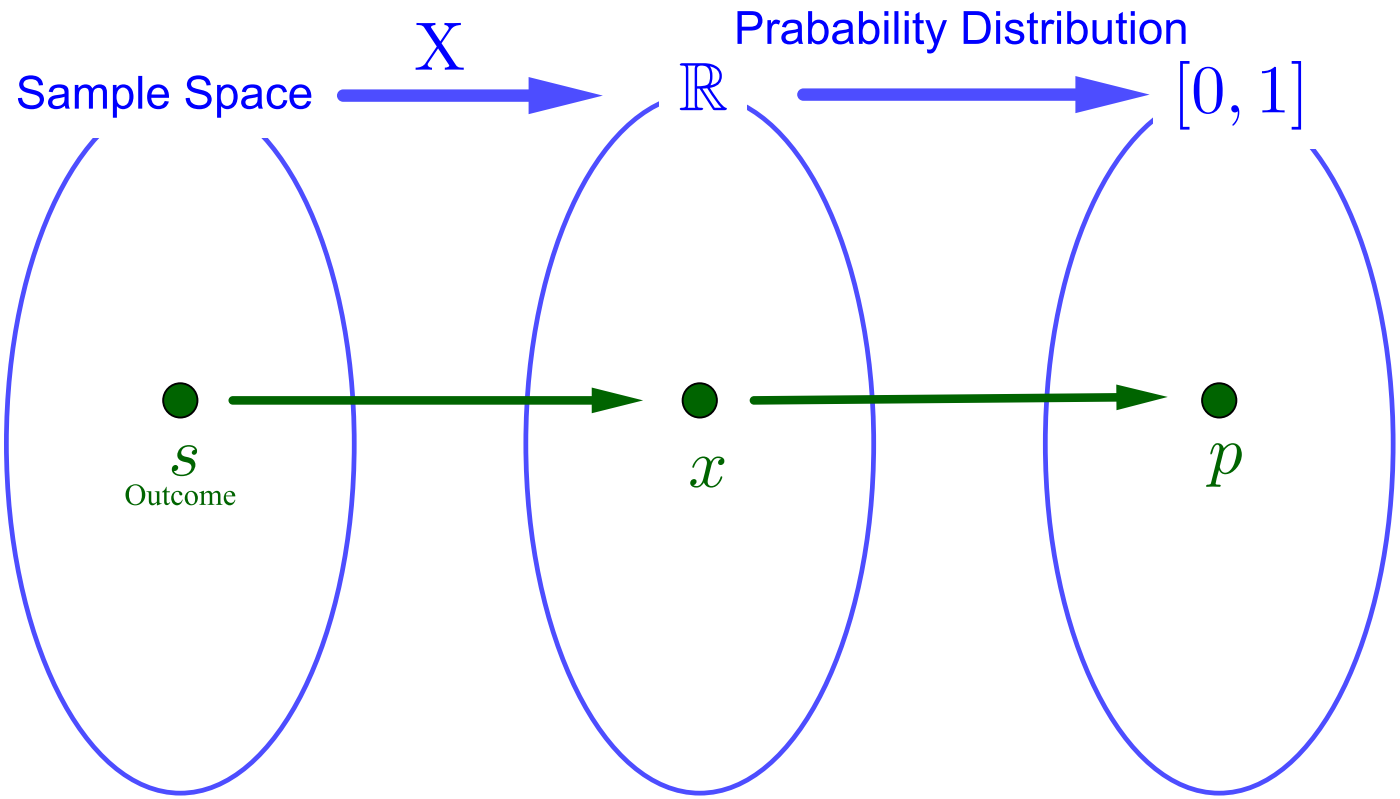



Sample Space
X
$\mathbb{R}$
Prabability Distribution
$[0, 1]$
s
Outcome
x

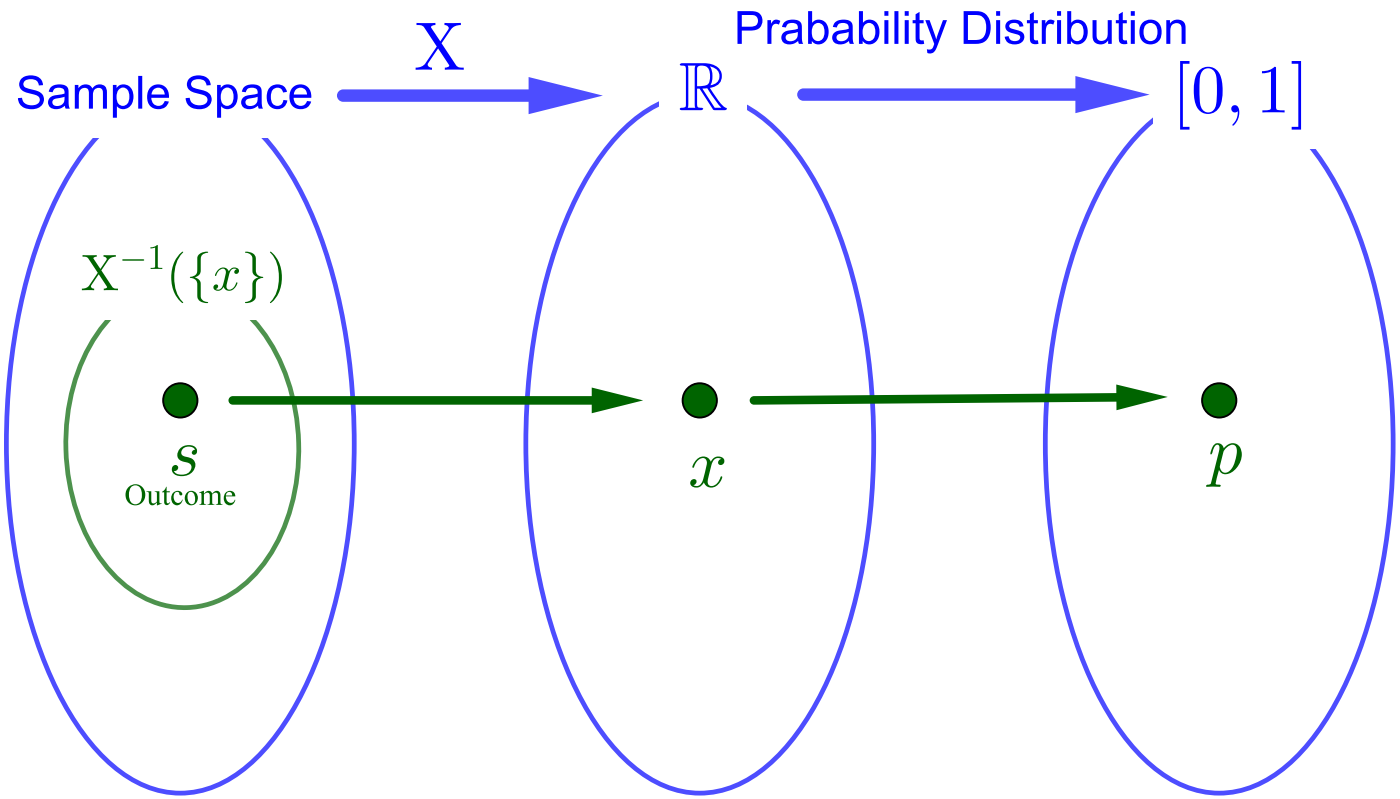
Probability Distribution

Start End

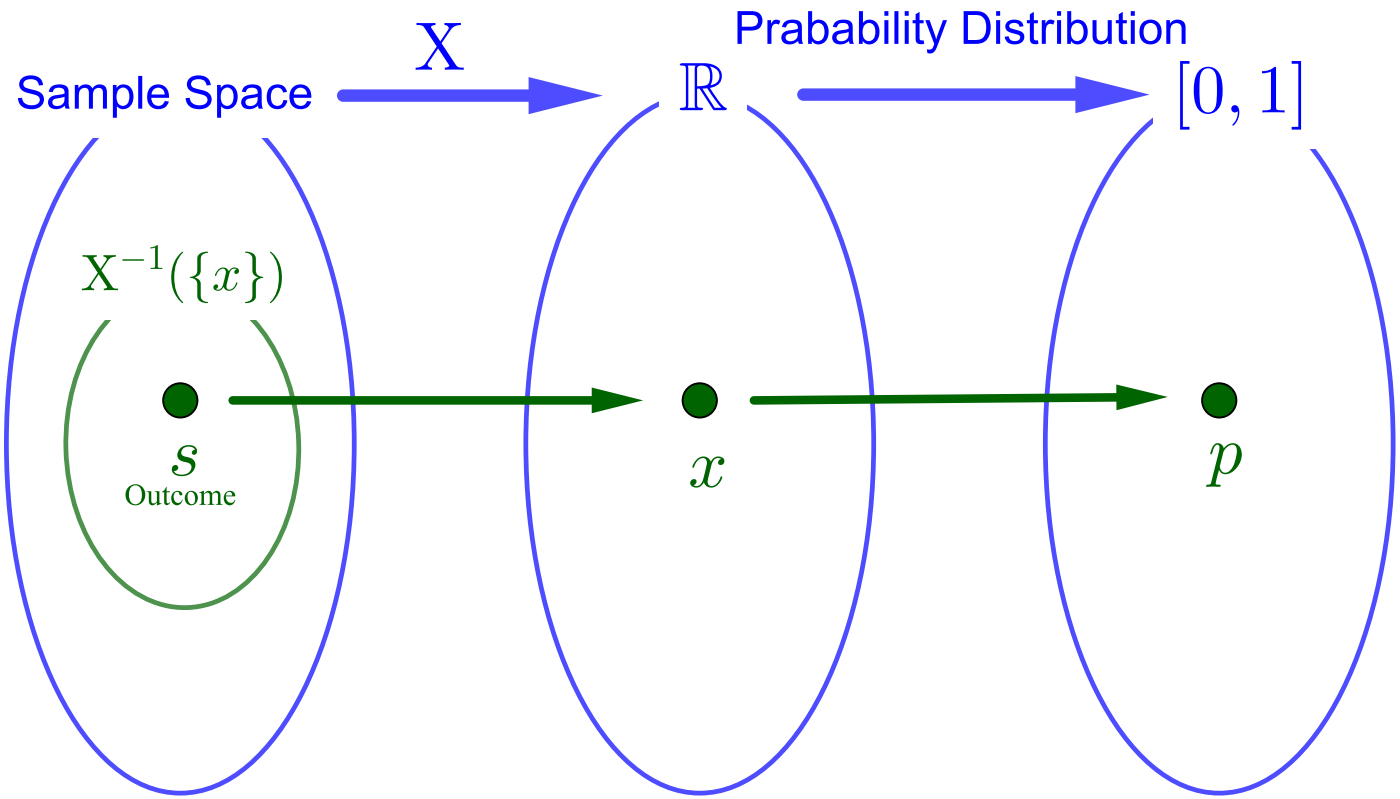




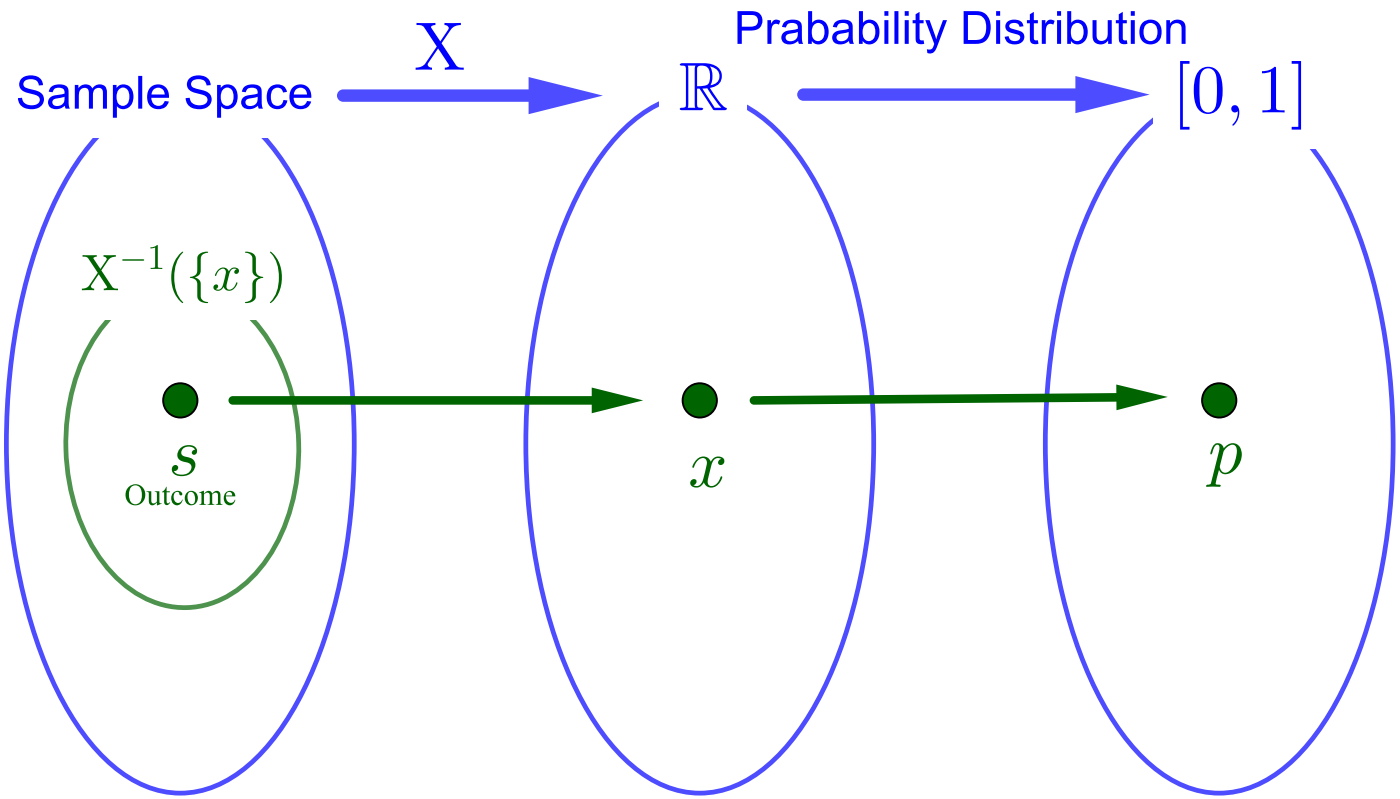
$$\mathrm{P}(\mathrm{X} = x)$$



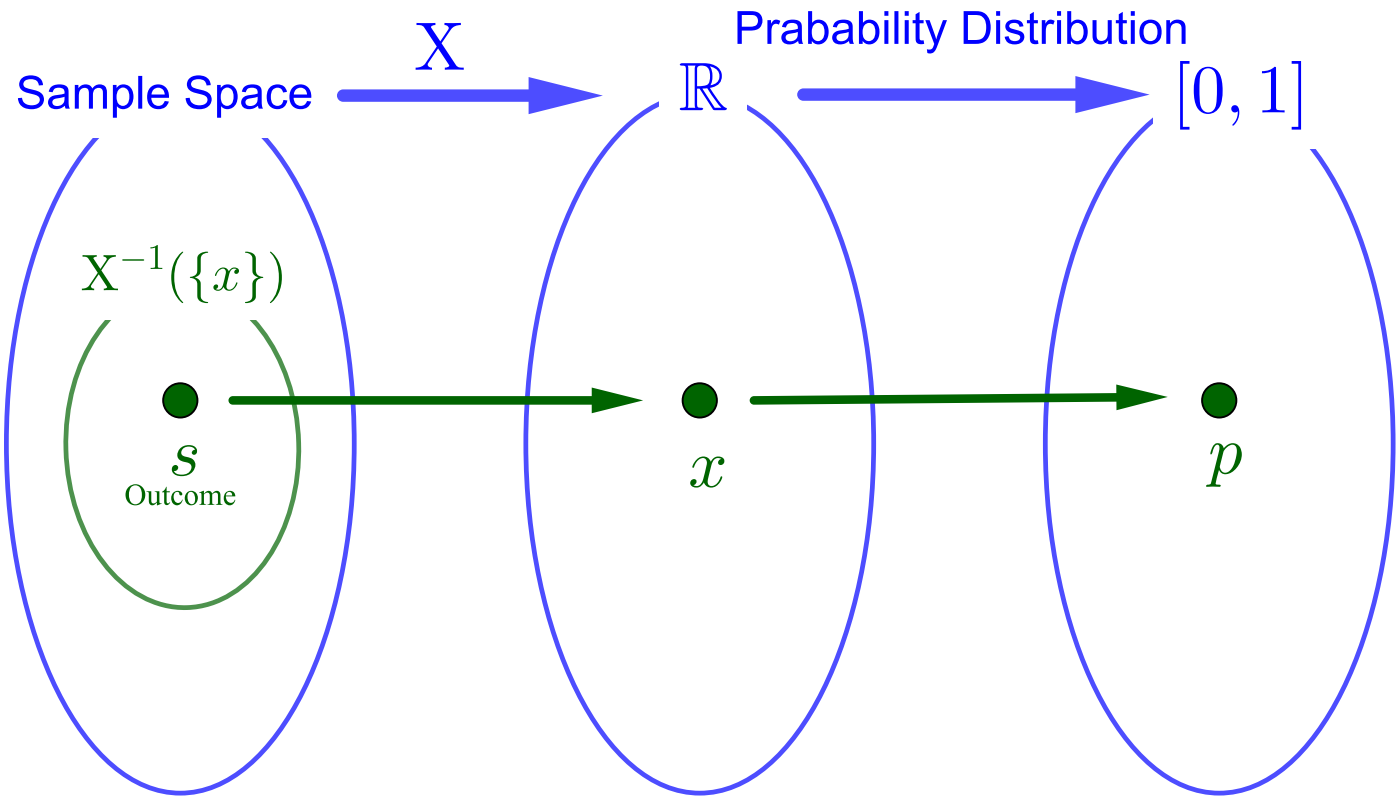
$$\mathrm{P}(\mathrm{X} = x)$$



$$\mathrm{P}(\mathrm{X} = x) = \mathrm{P}\big(\mathrm{X}^{-1}(\{x\})\big)$$



$$\mathrm{P}(\mathrm{X} = x) = \mathrm{P}\big(\mathrm{X}^{-1}(\{x\})\big) = \mathrm{P}(\{s\ldots\})$$



$$\mathrm{P}(\mathrm{X} = x) = \mathrm{P}\big(\mathrm{X}^{-1}(\{x\})\big) = \mathrm{P}(\{s\ldots\}) = p$$

Github:
https://min7014.github.io/math20230528001.html

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