

Temperature

Humidity

Windspeed

Year

Δ Count

10.66

56

11

2000

50

x_S

j

$$v(x_S) := \hat{f}_S(x_S) - \mathbb{E}(\hat{f}(x))$$

Temperature

Humidity

Windspeed

Year

10.66

56

x_{S_m}

j

Temperature

Humidity

Windspeed

Year

Δ Count

10.66

56

$random(x_{windspeed})$

$random(x_{year})$

23

x_{S_m}

j

$v(x_{S_m})$

Temperature

Humidity

Windspeed

Year

Δ Count

10.66

56

$random(x_{windspeed})$

2000

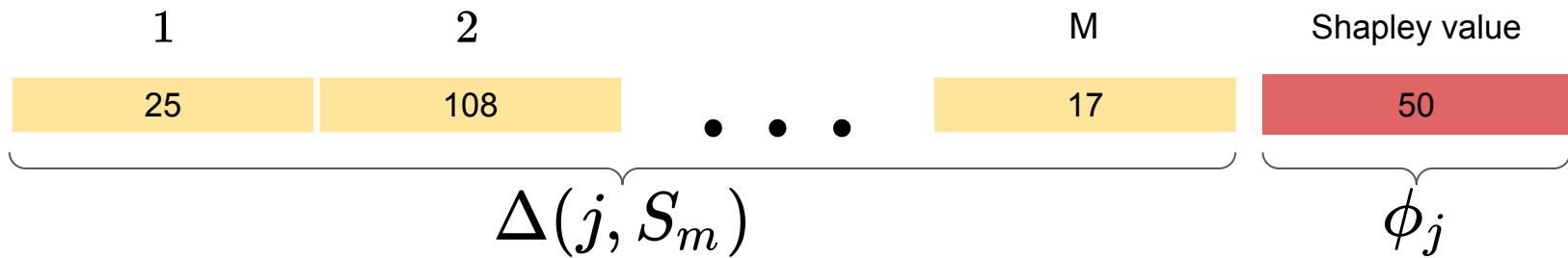
40

x_{S_m}

j

$v(x_{S_m \cup j})$





Temperature

Humidity

Windspeed

Year

10.66

56

x_{S_m}

j

Temperature

Humidity

Windspeed

Year

Δ Count

10.66

56

11

2012

5050

x

j

$\hat{f}(x)$

Temperature

Humidity

Windspeed

Year

Δ Count

10.66

56

$random(x_{windspeed})$

2012

5600

x_{+j}

j

$\hat{f}(x_{+j})$

Temperature

Humidity

Windspeed

Year

Δ Count

10.66

56

$random(x_{windspeed})$

$random(x_{year})$

5220

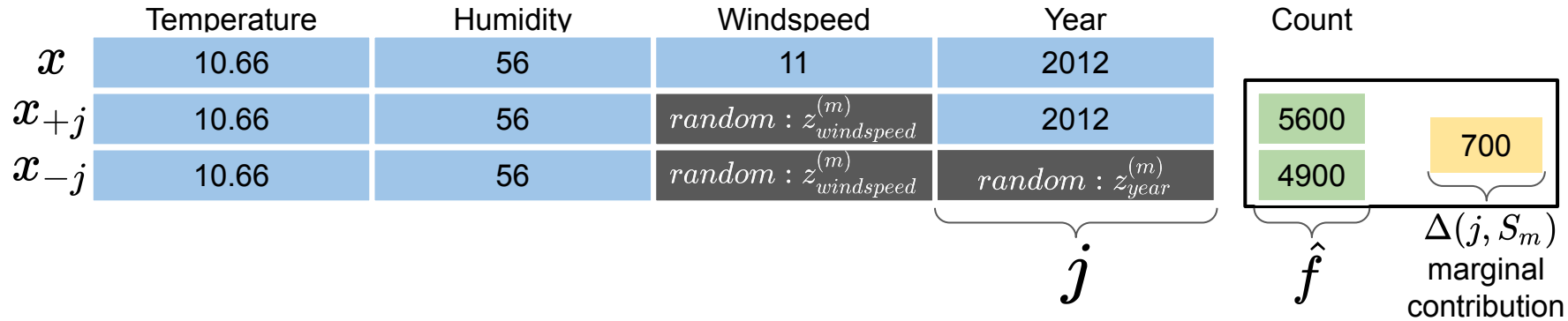
x_{-j}

j

$\hat{f}(x_{-j})$

	Temperature	Humidity	Windspeed	Year
x	10.66	56	11	2012
$x+j$	10.66	56	$random : z_{windspeed}^{(m)}$	2012
$x-j$	10.66	56	$random : z_{windspeed}^{(m)}$	$random : z_{year}^{(m)}$

j



$m =$

1

2

M

700

503

•

•

•

300

$\Delta(j, S_m)$

Shapley value

501

ϕ_j