

# PERFORMANCE ASSESSMENT / Verification

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## Example A

$x, f$  = daily T highs

Data:

day	x	f
1	32	33
2	32	30
3	32	32
4	33	31
5	34	31
6	35	37
7	35	35

All information is contained in the scatterplot.

I.e., plot  $f$  vs.  $x$ .

To summarize just a bit, compute contingency table:

$$n_{32,32} \quad n_{32,33} \quad \dots$$

$$n_{33,32} \quad n_{33,33} \quad \dots$$

...

$$n_{32,33}$$





# Joint Distributions

Each of  $p(x/f)$ ,  $p(f/x)$ ,  $p(f)$  performance measure.

Each can be plotted:

$p(x/f)$  vu2061t06

Back to Example A







Back to Example C

What about the other one?

$p(x = 1/f) = \text{prob of } x=1 \text{ for different } f\text{'s:}$



$$\text{Brier} = 1$$



Again, error-bars:

Bootstrap.

Some formulas in Jolliffe and Stephenson.

## Conclusion

-  $p(x/f), p(f/x), p(f), (p(x$