



Many scholars treat overconfidence as an individual difference, i.e. assuming that some people are more overconfident than others. We suggest that it is more of a function of situation and elicitation method.

# Different measures of overprecision don't correlate well with each other.

Pearson correlations between precision measur							
N = 241, Fuzzy Image Recognition.							
Variable	Bet (\$1.00)	Like					
Bet (\$1.00)							
Likert (1-7)	0.29***						
Histogram Peak	0.08	0.20					
90% Confidence Interval	0 02	0 10					
Width (Reverse)	0.02	0.10					

27 experts from the Social Science Prediction Platform predicted that these exact 6 correlations would fall between .24 and .34.

## Nor with other individual difference measures.

Pearson correlations between precision measures and individual differences *N* = 189, *NBA Predictions*.

Variable	BET	LIKERT	NUMERIC	Histogram Peak	CI Width			
BFI Extraversion	-0.010	0.217	0.049	-0.044	-0.027			
BFI Openness	-0.048	-0.000	0.003	0.061	-0.025			
Actively Open-minded Thinking	0.015	-0.157	-0.084	0.072	0.137			
Intellectual Humility F1	-0.002	-0.006	-0.068	-0.225	0.027			
Intellectual Humility F4	0.032	0.219	0.059	-0.078	0.060			
Narcissism	0.040	-0.207	0.033	0.097	-0.018			
Need for Cognition	0.033	0.091	0.044	0.000	0.062			
Need for Cognitive Closure	0.013	0.167	0.119	-0.004	0.017			
Male	0.022	0.154	0.018	0.085	-0.026			
Age	0.086	0.144	0.159	0.189	-0.095			
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*Note.* Asterisks follow the preregistered significance levels; "p<.00064

### Measures

Overestimation

 Estimated number of correct answers – actual number of correct answers. • "Correct answers" depends on the study, e.g. number of game winners guessed correctly for NFL / MLB / NBA predictions, or number of fuzzy images guessed correctly

Overplacement

(Estimated number of correct answers – Estimated number of correct number

– (Actual number of correct answers – Actual average of correct answers a

Overprecision

- Bet (0 to 1): "How much of a \$1.00 bonus would you like to bet that your estimate is within 1 point of your true score?"
- Likert (1 to 7): "How confident are you that your estimate is within 1 point of your true score?" (1 = "not at all confident", 7 = "certain")
- 90% Confidence Interval Width (-10 to 0): "Please identify two numbers: one BELOW your estimate and another ABOVE your estimate. These numbers should be far enough apart that you are 90% sure your true score is between them." Reverse-scored (negated)
- Histogram Peak: Sum of peak probability (see picture on the right) of a subjective probability distribution, plus the probabilities from neighboring bins.

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### Histogram Peak ert (1-7)

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0.09

umbers among others)
among others)

ell us how likely it is that you got each of the possible scores below, by lragging the bars to the desired location.

Note that while theoretically the probabilities should sum to 100, we will scale your responses to each possible score appropriately if you do not drag the bars precisely).

	Impossible					%				Certain			
	0	10	20	30	40	50	60	70	80	90	10	0	
Zero righ	t											1	
1 right, 9 wrong	g 📘											2	
2 right, 8 wrong	g											4	
3 right, 7 wrong	g											11	
4 right, 6 wrong	g											60	
5 right, 5 wrong	g											11	
6 right, 4 wrong	g											6	
7 right, 3 wrong	g											2	
8 right, 2 wrong	g											1	
9 right, 1 wrong	g											1	
All 10 righ	it 📕											2	