

- What is the academic basis to the Insights Discovery system?
- Has the Insights Discovery system been validated by official bodies of the psychology profession?
- Is the Insights Discovery preference evaluator continually tested and updated?

Insights and Jung

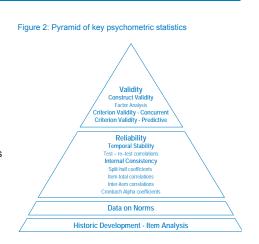
The Insights Discovery System is solidly based on the psychological types theory of Dr Carl G Jung and one of his leading students, Dr Jolande Jacobi. Jung proposed that our personalities are created in the interaction of four functions and two attitudes. When combined, these elements generate eight common personality types. Jung felt that what makes an individual unique are the different balances of these functions and attitudes interacting within them. It is these balances that make up the Insights 4 Colour System. The four colours represent observable behavioural patterns:

Figure 1: The Insights Discovery 4-Type Wheel

External Assessment

In 2005 the University of Westminster's Business Psychology Centre performed an extensive study of the Insights Discovery Evaluator English Version 3.0. Key statistical analysis was used to study the IDE's "item analysis", "norm data", "reliability" and "validity".

For a more comprehensive review of the IDE's properties, please read "An Overview of the Development, Validity and Reliability of the English Version 3.0 of the Insights Discovery Evaluator" produced at the University of Westminster's Business Psychology Centre (bpc).





These colours are measured by the Discovery evaluator; a 25-frame questionnaire of 100 word pairs, which when completed produces the Insights Discovery Personal Profile. Designed by Andi Lothian in the early 1990's, Andi, and son Andy, founded Insights Learning & Development Ltd in 1993.

GLOBAL HEADQUARTERS





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Table 1: Cronbach-Alpha Coefficients for IDE S3.0 (UK)

0.92

Earth

Green

0.92

Test-retest reliability is determined through the

time. It helps gauge how robust the items are.

administration of the same evaluator across

Such tests are generally expected to yield

reliability coefficients ranging between 0.70

The results of the test-retest analysis

performed on the four colour scores show

ranging from 0.81 to 0.86 for the Pearson

Confirmatory Factor Analysis was used to test the hypothesised factor structure of the

Insights Discovery model. Specifically it is

hypothesised that the four sets of 25 colour

based items in the IDE should load onto the

factors such that the polar opposite nature

of the 'Fiery Red' vs. 'Earth Green' items is

the 'Sunshine Yellow' vs. 'Cool Blue' items is

apparent. The four colours should load onto

The results in Table 2 successfully confirm this

their appropriate factor only.

hypothesis.

apparent and the polar opposite nature of

very high reliability, translating into coefficients

correlation coefficients and 0.89 to 0.92 for the

Cronbach-Alpha reliability coefficients for the

Sun-

shine

Yellow

0.93

N =

24,224

α

and 0.90.

same data.

Validity

Item Analysis

There are 100 colour items spread over the 25 frames in the IDE. Item analysis involves empirically testing the quality of these 100 items and replacing weaker items with better ones. This is measured by assessing the responses of participants with clear colour preferences, i.e. those whose average across all 25 frames is greater than 5 in one out of the four colours ("Sunshine Yellow, "Fiery Red", "Earth Green" or "Cool Blue"). Figure 3 shows one of the improvements made in the items from IDE S1.0 (UK) to IDE S2.0 (UK).

Data on Norms

The norm data for the IDE is of good quality, being segmented by the language of the evaluator completed; the country a respondent is based in;

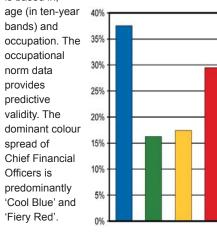


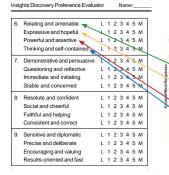
Figure 4: Dominant Colour Spread of 75 CFOs

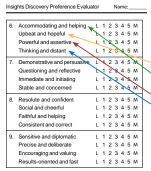
As expected, those in charge of financial data tend to have a preference for objective thinking, using facts and performing detailed analysis. It should be noted whilst this data indicates that people in certain roles tend to have a preference for certain colours, it does not correlate or necessarily relate to how well they are doing their job or how capable they are in fulfilling that role.

Reliability

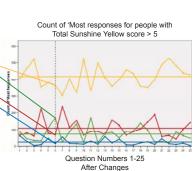
Cronback-Alpha coefficients, α , measure the error variance on the average inter-item correlations. When the error variance is low, which is desirable, the alpha coefficient approaches 1.00. A value of 0.70 is the commonly accepted inferior limit.

Analysing 24,224 completed evaluators shows the four colours to have very high Cronbach-Alpha coefficients, providing evidence of reliability as shown in Table 1. Figure 3: Example of results of item analysis - graphs show 'before' and 'after' item changes Note: Green scoring higher than yellow on a yellow item before the alteration.





0.92



Count of 'Most responses for people with

Total Sunshine Yellow score > 5

Question Numbers 1-25

Before Changes

Table 2: Average Factor Loadings. Completed in UK 31/11/03 to 2/7/04. IDE S3.0 (UK)

N=20,948	Factor 1	Factor 2
Earth Green	0.56	0.06
Sunshine Yellow	-0.05	0.32
Cool Blue	-0.09	-0.57
Fiery Red	-0.59	0.19

Ongoing Assessments/Validations

The constant evolution of language means that the Discovery Evaluator will continually evolve. The Insights Research Team monitors the Insights Discovery Evaluator in its 30+ languages on a daily basis. If you require any information on this process, please contact ibrady@insights.com. Examples of the Statistical Reliability and Validity tests can be obtained from Insights Learning & Development Ltd on request.

Conclusion

Over the past decade, the work of Carl Jung has attracted increasing interest as people seek to improve interpersonal dynamics on both personal and professional levels. The scientific research of the Discovery System demonstrates that both Jung's original typology theory, and Insights' ongoing research to enhance it, has both strong psychological foundations, and modern scientific application. Depth psychology and empirical science unites within the Insights Discovery System.