Encounter, synthesis, immersion and construction: information and the gaining of understanding

David Bawden
City University London

References

Ryan Smyth’s discussion of the problem of knowing what understanding is can be found in:

• Ryan Smith, R. Explanation, understanding and control, Synthese, 2014, 191(17), 4169-4200

The point that understanding is bound up with an ability to explain is in:

• Wilkenfeld, D.A., Plunkett, D. and Lombozo, T. Depth and deference: when and why we attribute understanding, Philosophical Studies, 2015, in press

The quotation from Winograd and Flores comes from:


The original formulation of the DIKW hierarchy, including understanding is in:


The Floridi quote comes from:


Kvanvig’s idea of knowledge is set out in:


and de Ridder’s in:


David Deutsch’s ideas on understanding are expressed in two popular books:


Deutsch’s ‘constructor theory’ is set out in reasonably accessible terms in:

• Deutsch, D. (2013). Constructor theory, Synthese, 190, 4331-4359

and a short account is given in:

• Deutsch, D. (2014). Why we need to reconstruct the universe. New Scientist, 24 May 2014, pp 30-31

Don Swanson’s literature discovery work is reviewed and updated in:

The two systems exemplified are described in:

The Informational Balance model is in:

Paul Gilster’s book is:

A selection of qualitative synthesis methods are covered in:

Immersive documents are described in: