

O.U.P.

Programme

Synopsis Tv

COURSE PROG: No: MDST242/7	
Programme Title	EXPERIMENTS & ENERGY
Course Title	STATISTICS IN SOCIETY

PROGRAMME DETAILS			
Tape/Film No:	HOU 4230	Project No:	FOU M176D
Duration	24'29	Recording Date	8.11.1982
1st TX Date	17.9.1983	Colour/Mono	COLOUR
Production by	JOHN STRATFORD		

SYNOPSIS

The programme opens in Pennyland, Milton Keynes, with Kevin McConway reminding the viewers of the broad objectives of the experiment being carried out there. It is a complicated experiment, so Kevin suggests that it would be more beneficial to start off by looking at a simpler experiment.

In studio, Mark Barrett introduces just such an experiment - part of the Better Insulated House (BIH) scheme carried out in Whitburn, Scotland. This only considered the effects of insulation on energy consumption. Mark and Kevin look at the design of the experiment to see how the unwanted sources of variability - such as effects of weather and people - can be designed out. Kevin analyses some of the Whitburn data using a t-confidence interval to show that the insulated houses do show a reduced energy consumption. Mark then talks to Peter Campbell of the D.o.E. about the problems encountered in setting up the BIH experiments and of the lessons learnt from them.

Finally, Kevin follows on by reasoning that Pennyland is a natural progression from BIH, and he points ahead to the next programme where we'll be looking at Pennyland more closely.

Cont:

PRESENTATION ANNOUNCEMENT

This is programme 7 for the Statistics in Society Course and will look at some of the issues involved in designing an experiment on a real housing estate.

SPEAKERS		KEYWORDS
Presenter		
Kevin McConway	Open University	Insulation t-test confidence interval Pennyland BIH scheme Whitburn
Mark Barrett	ERG, Open University.	

CONTRACT RESTRICTIONS
NONE, but OU must agree fee for Keystone still included in programme if they wish to exploit it.

CORRESPONDENCE COURSE UNIT			
Title	Review		
No:	C5	Price	
Publisher	The Open University Press		

SIGNED

Margaret Cassidy

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DATE

17/2/83