



Session 1 NMPB



AI and Data Exploration Practical Applications

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Application of AI and Data Exploration done



Artificial Neural Networks (ANN) for **predicting delays in completion dates** of road construction contracts.

Neuro-fuzzy classifier for contracts with higher **risk of delayed completion dates**.

Association Analysis (basket analysis) for **lowering the risk of delays**.

ANN classifier for **colussion and bid rigging finding**.

Association Analysis for finding factors influencing **bike crashes with fatal injuries**.

Random Forest for **designing special concrete mixture**

Deep Learning for **predicting compressive strenght of concrete**



I'm not IT guy, but...



When data are collected...

When a problem is stated...

it has occurred that...

I'm able to recognize, which tool should be applied to

convert data to knowledge

how to prepare data to proces them

how to read and assess the result achieved

Keywords

**Artificial Intelligence, Fuzzy Logic, Random Forrest, Deep Learning,
Association Analysis,**



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