

## Re: how to combine two fuzzy numbers

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The example you decribed, put in other words, says:

Suppose I have evidence from 2 independent sources on weather forecast.

The mathematical theory that is designed to tackle the combination of such information is evidence theory. For example, I can point you to Dempster's theory. Since you are a novice, I will not suggest some specialized book or article, I think that searching on the web for Dempster, Dempster & Shafer or Dempster & evidence you will be able to find some simple examples on how to apply the theory.

I hope this helps..

Manolis

- > *Suppose I have 2 fuzzy estimates, x and y. For instance, one can imagine they*
- > *are independent predictions of rain by two different forecasters. Suppose I want to*
- > *combine x and y into a "combined" estimate z. What is the formula that optimally*
- > *relates z to x and y?*
- >
- > *Know any articles about how to make optimal fuzzy combinations?*
- >
- > *p.s. I'm a novice, so am only interested in very simple introductory aritcles.*

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