

Using Learning to Rank to enhance Document Classification

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Abstract. We propose a Learning to Rank framework for enhancing categorization of research articles by combining semantic representation of research articles and Wikipedia page of the categories. We empherically show that adding semantic information of the wikipedia articles enhances the classification performance of the articles as compared to state-of-the-art document classification methods.

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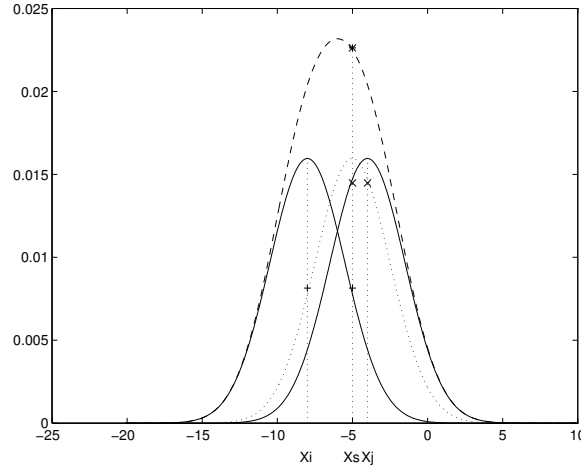


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Example of a Computer Program

```
program Inflation (Output)
{Assuming annual inflation rates of 7%, 8%, and 10%,...
 years};
const
  MaxYears = 10;
var
  Year: 0..MaxYears;
  Factor1, Factor2, Factor3: Real;
begin
  Year := 0;
  Factor1 := 1.0; Factor2 := 1.0; Factor3 := 1.0;
  WriteLn('Year 7% 8% 10%'); WriteLn;
  repeat
    Year := Year + 1;
    Factor1 := Factor1 * 1.07;
    Factor2 := Factor2 * 1.08;
    Factor3 := Factor3 * 1.10;
    WriteLn(Year:5,Factor1:7:3,Factor2:7:3,Factor3:7:3)
  until Year = MaxYears
end.
```

(Example from Jensen K., Wirth N. (1991) Pascal user manual and report. Springer, New York)

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References

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6. National Center for Biotechnology Information, <http://www.ncbi.nlm.nih.gov>

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