

From RankNet to LambdaRank to LambdaMART: An Overview

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- A Lambda tree

```
<tree id="8" weight="0.1">
  <split>
    <feature> 811 </feature>
    <threshold> 5.0 </threshold>
    <split pos="left">
      <feature> 33 </feature>
      <threshold> 20.0 </threshold>
      <split pos="left">
        <feature> 589 </feature>
        <threshold> 43493.125 </threshold>
        <split pos="left">
          <feature> 1094 </feature>
          <threshold> 302.73438 </threshold>
          <split pos="left">
            <feature> 108 </feature>
            <threshold> 9881.824 </threshold>
            <split pos="left">
              <output> -0.66917753 </output>
            </split>
          <split pos="right">
            <feature> 151 </feature>
            <threshold> 9072276.0 </threshold>
```

splitting

Combination of features