

## Tasks

#	Task
	<a href="#">Load Setup: World University Ranking with 2012 data</a>
<b>T1</b>	Create a ranking that is determined by the following attributes and weights: <ul style="list-style-type: none"> <li>● <i>Academic reputation</i> 40%</li> <li>● <i>Employer reputation</i> 10%</li> <li>● <i>Faculty/student ratio</i> 20%</li> <li>● <i>Citations</i> 20%</li> <li>● <i>International faculty ratio</i> 5%</li> <li>● <i>International student ratio</i> 5%</li> </ul>
<b>T2</b>	What is the rank of the <i>California Institute of Technology (Caltech)</i> ?
<b>T3</b>	Which attribute is the weak point of <i>Caltech</i> compared to its immediate competitors (+/- 10 ranks)?
<b>T4</b>	What are the 3 most <i>cited</i> universities in the <i>UK</i> ?
	<a href="#">Include all universities again for solving the next task and restore the original combined score</a>
<b>T5</b>	How much weight do we have to assign at least for <i>Employer Reputation</i> to let <i>Caltech</i> drop 5 places? (and change the other weights proportionally)
<b>T6</b>	Increase the weight of <i>Employer Reputation</i> to about 30%. How does this change the rank of <i>Caltech</i> ?
<b>T7</b>	Filter (remove) all universities that have a value lower than 50 in <i>Faculty/student ratio</i> . How does this change the top 20 items?
<b>T8</b>	Find out what happen if <i>Caltech</i> could improve its <i>Employer Reputation</i> from 51.3 to 90?
<b>T9</b>	You want to find universities that <b>either</b> have a strong <i>Academic reputation</i> <b>or</b> a strong <i>Employer Reputation</i> . Change the combination of attributes so that their maximum determines the ranking. How does this change the rank of <i>Caltech</i> ?
<b>T10</b>	Lower the weight of <i>Citations</i> to about 10% and track the changes. What are the 3 big winners and 3 big losers in the top 30?
	<a href="#">Load Demo: World University Ranking from 2012 back to 2007</a>
<b>T11</b>	Which top 20 university was the biggest winner in the last year (from 2011 to 2012)
	<a href="#">Load Demo: Nutrition Data</a>
<b>T12</b>	Find the top 10 breakfast cereals that are high in <i>dietary fiber</i> and high in <i>protein</i> but low <i>sugar</i> , <i>saturated fat</i> and <i>sodium</i> . Weight all attributes with 20%. Only look at foods in the "Breakfast Cereals" category that have "ready-to-eat" in their name and "cup" in the household size description.