


Alternatives Grid

Overview

The **Alternatives Grid** page shows the alternative priorities with respect to the decision goal for All Participants. These priorities are based on the normalized right eigenvector of the geometric average of the judgments for all participants who have roles for measures derived with pairwise comparisons, and for the arithmetic averages of priorities derived from ratings, utility curves, step functions, or direct input. This aggregation is known as **Aggregating Individual Judgments, or AIJ**, and is the default aggregation method.


Objectives	All Participants		ID	Alternative Name	All Participants 7 with judgments
	L	G			
Goal: Optimize IT Portfolio T...					
Leverage Knowledge	27.7%	27.7%			
Vendor/Partner Access	30.17%	8.36%	[08]	AS/400 Replacements	6.07%
Customer Access/Service	32.54%	9.01%	[03]	Cisco Routers	7.2%
Internal Access	37.29%	10.33%	[17]	Customer Service Call Center	6.89%
Improve Organizational Ef...	21.06%	21.06%	[13]	Desktop Replacements	5.7%
Improve Service Efficie...	22.53%	4.75%	[04]	EMC Symmetrix	6.22%
Leverage Purchasing P...	18.15%	3.82%	[12]	Firewall and Antivirus Licenses	6.43%
Improve Time to Market	27.33%	5.76%	[05]	Iron Mountain Backup Service	6.99%
Manage Resources	31.99%	6.74%	[11]	Laptop Replacements	3.85%
Maintain Serviceability	10.07%	10.07%	[15]	Mobile Workforce Pocket PCs	3.67%
Scaleability	42.84%	4.31%	[09]	Oracle 9i Upgrade	6.69%
Responsiveness	32.5%	3.27%	[07]	PeopleSoft Upgrade	5.38%
Resources	24.66%	2.48%	[02]	Plumtree Corporate Portal	9%
Minimize Risks	19.85%	19.85%	[16]	ProServe System Upgrade	6.4%
Leverage Proven Techn...	40.95%	8.13%	[14]	Sales Force Laptops	6.06%
Ensure Readiness	59.05%	11.72%			

By selecting an element in the hierarchy other than the goal, you can see the results with respect to (WRT) this element rather than the overall results with respect to the goal.

Sample IT Portfolio Optimization Alternatives Grid with respect to Improve Organizational Efficiency				
Objectives	All Participants			
	L	G	 <input type="text" value="Search..."/>	
Goal: Optimize IT Portfolio T...			ID	Alternative Name
<ul style="list-style-type: none"> Leverage Knowledge Vendor/Partner Access Customer Access/Service Internal Access Improve Organizational Ef... Improve Service Efficie... Leverage Purchasing P... Improve Time to Market Manage Resources Maintain Serviceability Scaleability Responsiveness Resources Minimize Risks Leverage Proven Techn... 	27.7%	27.7%		
	30.17%	8.36%	[08]	AS/400 Replacements
	32.54%	9.01%	[03]	Cisco Routers
	37.29%	10.33%	[17]	Customer Service Call Center
	21.06%	21.06%	[13]	Desktop Replacements
	22.53%	4.75%	[04]	EMC Symmetrix
	18.15%	3.82%	[12]	Firewall and Antivirus Licenses
	27.33%	5.76%	[05]	Iron Mountain Backup Service
	31.99%	6.74%	[11]	Laptop Replacements
	10.07%	10.07%	[15]	Mobile Workforce Pocket PCs
	42.84%	4.31%	[09]	Oracle 9i Upgrade
	32.5%	3.27%	[07]	PeopleSoft Upgrade
	24.66%	2.48%	[02]	Plumtree Corporate Portal
	19.85%	19.85%	[16]	ProServe System Upgrade
	40.95%	8.13%	[14]	Sales Force Laptops

The grid above shows all the alternatives priorities with respect to the selected node Improve Organization Efficiency.

Click  to show the toolbar options (showing and hiding the toolbar is being remembered).

Hierarchy  2/12
 Filter Alternatives:
 Decimals:

Toggle Hierarchy to show/hide the objectives hierarchy/tree at the left.

Toggle L & G Priorities to show/hide the Local and Global objectives priorities on the objectives hierarchy/tree.

Select Participants and Groups

You can choose to display results for individual participants or another group by clicking  1/12 .

The fraction in the image above designates the selected/total number of participants and groups.

Clicking the button opens a window listing the participants and groups in the model. You can select more than one user or group. Simply check the participants and groups you want to see results.

Participants and Groups

Search:

	Participant Name	Email Address	Has data?	Group name	Has data?	Select all users with data
<input type="checkbox"/>	Administrator	admin		<input checked="" type="checkbox"/>	All Participants	Yes <input type="checkbox"/>
<input type="checkbox"/>	User 21232f29	user_21232f29@ec.com				
<input type="checkbox"/>	User 36498ffa	user_36498ffa@ec.com	Yes			
<input type="checkbox"/>	User 560ee1e9	user_560ee1e9@ec.com				
<input type="checkbox"/>	User 780ecdf6	user_780ecdf6@ec.com	Yes			
<input type="checkbox"/>	User c1ad25db	user_c1ad25db@ec.com	Yes			
<input type="checkbox"/>	User def8f43a	user_def8f43a@ec.com	Yes			
<input type="checkbox"/>	User ebedeca4	user_ebedeca4@ec.com	Yes			
<input type="checkbox"/>	User f01c7c6c	user_f01c7c6c@ec.com	Yes			
<input type="checkbox"/>	User fd8fdac3	user_fd8fdac3@ec.com	Yes			
<input type="checkbox"/>	Zuzi Bauta	z_bauta@ec.com				

Select all | Select All Participants And Groups With Data | Deselect all

OK Cancel

Filter Alternatives

By default, all alternatives are displayed.

Filter Alternatives:

Show all Alternatives ▼

- Show all Alternatives
- Show top 5 Alternatives based on All Participants priorities
- Show top 10 Alternatives based on All Participants priorities
- Show top 25 Alternatives based on All Participants priorities
- Advanced
- Show funded Alternatives - Default Scenario
- Select/Deselect Alternatives
- Filter by alternative attributes

- Show top N Alternatives. Select to display the top 5, 10, or 25 alternatives based on the "All Participants" group priorities.
- Advanced. Allows you to specify the top N based on the selected participant or group.

Advanced

Select top Alternatives based on priorities

- Show funded alternatives from the active Resource Aligner scenario.
- Select/Deselect Alternatives.

Select/Deselect Alternatives

- AS/400 Replacements
- Cisco Routers
- Customer Service Call Center
- Desktop Replacements
- EMC Symmetrix
- Firewall and Antivirus Licenses
- Iron Mountain Backup Service
- Laptop Replacements
- Mobile Workforce Pocket PCs
- Oracle 9i Upgrade
- PeopleSoft Upgrade
- Plumtree Corporate Portal
- ProServe System Upgrade
- Sales Force Laptops
- SRDF Site/Service
- Thin Client Implementation

- Filter by Alternative Attributes specified on the Alternatives page.

Filter by alternative attributes

Use:

Change Alternatives Color


You can change the Alternatives color from the [Alternatives Grid](#) and [Dynamic Analysis](#) page; and the Objectives color from the [Objectives Grid](#) page.

From Grid, simply click or right-click the alternative or objective priority bar/cell, and then choose a color from the color picker:

ID	Alternative Name	All Participants 7 with judgments
[08]	AS/400 Replacements	<div style="width: 52.74%;"></div> 52.74%
[03]	Cisco Routers	<div style="width: 61.76%;"></div> 61.76%
[17]	Customer Service Call Center	<div style="width: 60.38%;"></div> 60.38%
[13]	Desktop Replacements	<div style="width: 49.19%;"></div> 49.19%
[04]	EMC Symmetrix	<div style="width: 52.77%;"></div> 52.77%
[12]	Firewall and Antivirus Licenses	<div style="width: 56.75%;"></div> 56.75%
[05]	Iron Mountain Backup Service	<div style="width: 59.98%;"></div> 59.98%
[11]	Laptop Replacements	<div style="width: 32.78%;"></div> 32.78%
[15]	Mobile Workforce Pocket PCs	<div style="width: 32.71%;"></div> 32.71%
[09]	Oracle 9i Upgrade	<div style="width: 57.69%;"></div> 57.69%
[07]	PeopleSoft Upgrade	<div style="width: 45.32%;"></div> 45.32%
[02]	Plumtree Corporate Portal	<div style="width: 77.52%;"></div> 77.52%
[16]	ProServe System Upgrade	<div style="width: 55.37%;"></div> 55.37%
[14]	Sales Force Laptops	<div style="width: 53.12%;"></div> 53.12%

DIDN'T SEE THE OPTION YOU ARE LOOKING FOR? Try enabling the **Advanced Mode** switch at the bottom of the page; this will show the **advanced options on this page**.

When the [Advanced mode](#) is ON, you will see the advanced options on this page:

Hierarchy L & G Priorities  2/12
 Filter Alternatives:
 Normalize Options: Ideal AIJ CIS Distributive AIP User Priorities
 Decimals

Ideal and Distributive Synthesis

Results can be computed as an **Ideal** mode (default) or **Distributive** mode synthesis.

- Ideal
- Distributive

Originally, AHP had only one synthesis mode – later called the "distributive" synthesis mode. A distributive synthesis distributes priorities from the goal down through the alternatives and is analogous to dividing priorities in a pie chart, which is intuitive for decision-makers to comprehend. The sum of the global priorities for each alternative with respect to each covering objective represents the overall priority of that alternative. The priorities have ratio scale properties (as well as, of course, interval and ordinal properties), which means that they can be used in making a choice or in allocating resources. This synthesis operation can be thought of as distributing the goals priority of 1.0 to the alternatives under consideration, and is today called the distributive synthesis mode. Originally, this was the only synthesis mode of AHP. Critics of AHP pointed out situations where a different synthesis mode is more appropriate.

Aggregating Individual Priorities (AIP)

Clicking the **AIP** check-box will show results based on aggregating individual priorities, known as AIP, instead of aggregating individual judgments (AJ). When AIP is checked, overall alternative priorities are computed for each participant and then an average of these priorities is computed.

AIP

NOTE: Due to the nature of AIP, objectives charts, objectives grid, and all sensitivity analysis pages are disabled when AIP is selected.

Normalization Options

By default, the results are Normalized. When the advanced mode is ON, you can select to display results as follows:

Normalize Options:

Unnormalized ▼
Unnormalized
Normalized for All
Normalized for Selected
% of Maximum

- **Unnormalized:** The priority is the sum of the products of each covering objective's global priority times the priority of the alternative with respect to each covering objective. If an alternative has a priority of 1 for every covering objective, it will have an unnormalized priority of 1 and is referred to as an ideal alternative. Note: "Unnormalized" is not available and not applicable when using Distributive mode.
- **Normalized for All:** Sum to 1 for all the alternatives
- **Percentage of Maximum:** The alternative with the highest priority is 1 and all others are a percentage of this
- **Normalized for Selected:** Sum to 1 for the [selected alternatives](#)

Combined Input Option (CIS)

If the Combined Input Option (CIS) is ON, then results for individuals are computed by combining the priorities derived from judgments/ratings for which they had roles, with the combined results for any parts of the model where they did not have a role.

CIS

Apply User Priorities

If priorities (weights) have been specified for participants, you can use the "User Priorities" check box which enables you to apply or ignore these priorities in calculating the results.

User Priorities
