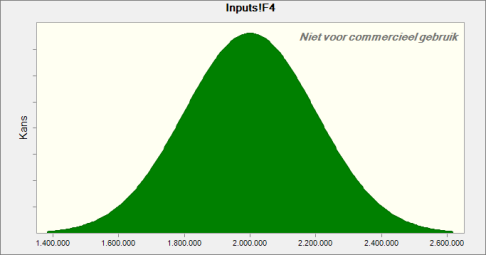
**Part 5: Sensitivity analysis**

**Partial sensitivity analysis**

* MCA 2: Change in weights: Trust: 10% 🡺 20% and Employment: 20% 🡺 10%
* MCA 3: transparency of payment practices: 30,000 companies yearly instead of 18,000 companies quarterly
* MCA 4: tax regulations: 50,000 applications instead of 30,000
* MCA 5: trust increases with 4.5 instead of 3

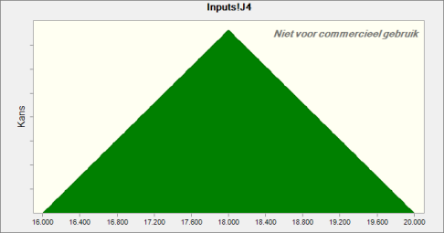
|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **MCA 1** | | **MCA 2** | | **MCA 3** | | **MCA 4** | | **MCA 5** | |
|  | **Option 1** | **Option 2** | **Option 1** | **Option 2** | **Option 1** | **Option 2** | **Option 1** | **Option 2** | **Option 1** | **Option 2** |
| **Benefits** | | | | | | | | | | |
| Market | | | | | | | | |  |  |
| Trust (scale 1-10) | 0.06 | 0.10 | 0.12 | 0.20 | 0.06 | 0.10 | 0.06 | 0.10 | 0.09 | 0.10 |
| *Society* | | | | | | | | |  |  |
| Employment (jobs) | 0.20 | 0.15 | 0.10 | 0.08 | 0.20 | 0.15 | 0.20 | 0.15 | 0.20 | 0.15 |
| *Business* | | | | | | | | |  |  |
| Delay (days) | 0.08 | 0.10 | 0.08 | 0.10 | 0.08 | 0.10 | 0.08 | 0.10 | 0.08 | 0.10 |
| Operation and financial (€) | 0.08 | 0.10 | 0.08 | 0.10 | 0.08 | 0.10 | 0.09 | 0.10 | 0.08 | 0.10 |
| Enforcement (€) | 0.10 | 0.07 | 0.10 | 0.07 | 0.10 | 0.07 | 0.10 | 0.07 | 0.10 | 0.07 |
| **Costs** | | | | | | | | | | |
| *Business* | | | | | | | | |  |  |
| Administrative burden (€) | 0.10 | 0.06 | 0.10 | 0.06 | 0.10 | 0.10 | 0.10 | 0.05 | 0.10 | 0.06 |
| Operation and financial (€) | 0.00 | 0.10 | 0.00 | 0.10 | 0.00 | 0.10 | 0.00 | 0.10 | 0.00 | 0.10 |
| Enforcement (€) | 0.10 | 0.09 | 0.10 | 0.09 | 0.10 | 0.09 | 0.10 | 0.09 | 0.10 | 0.09 |
| *Institutions* | | | | | | | | |  |  |
| Administrative burden (€) | 0.10 | 0.00 | 0.10 | 0.00 | 0.10 | 0.00 | 0.10 | 0.00 | 0.10 | 0.00 |
| Operation and financial (€) | 0.10 | 0.05 | 0.10 | 0.05 | 0.10 | 0.05 | 0.10 | 0.03 | 0.10 | 0.05 |
| Enforcement (€) | 0.01 | 0.10 | 0.1 | 0.10 | 0.01 | 0.10 | 0.01 | 0.10 | 0.01 | 0.10 |
| **Total** | **0.10** | **0.12** | **0.06** | **0.15** | **0.11** | **0.08** | **0.11** | **0.14** | **0.13** | **0.12** |

**Multivariate sensitivity analysis**

****Inputs

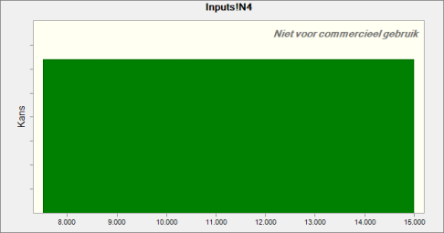
* Stricter payment terms
  + Number of firms:

Normal distribution: avg. 2,000,000 and std.dev. 200,000



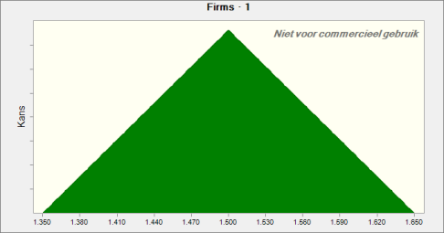
* Transparency of payment practices
  + Number of firms:

Triangle distribution: min 16,000; avg. 18,000; max 20,000



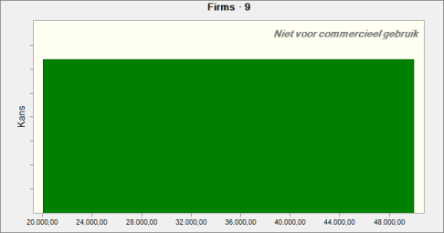
* Alternative Dispute Resolution System
  + Number of firms:

Uniform distribution: min 7,500; max 15 ,000



* Administrative sanctions
  + Number of firms:

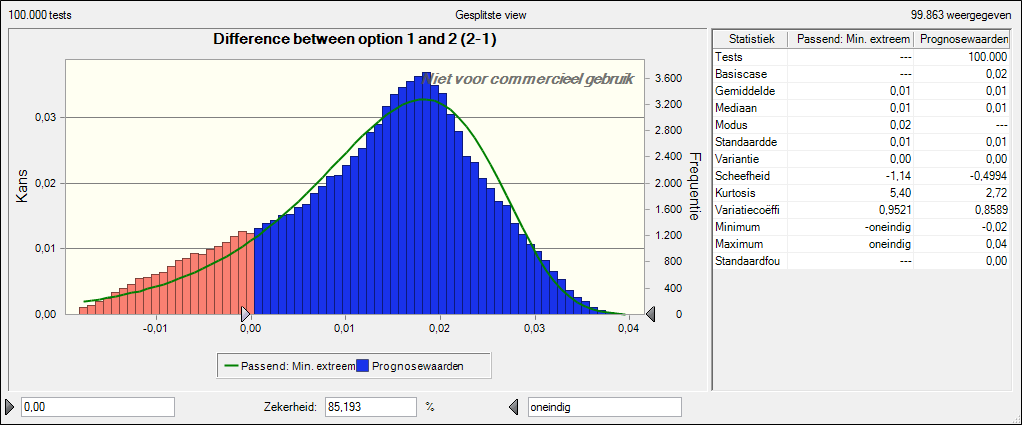
Triangle distribution: min 1,350; avg. 1,500; max 1,650



* Tax regulations
  + Number of applications:

Uniform distribution: min 20,000; max 50,000

**Figure 1: Monte Carlo analysis**



**Figure 2: Sensitivity chart**