

Conformance checking analysis:

1. Law:

- **Alert weight: 1, Stopout weight: 0.5**

- Admisson Track

Admission Track	Number of students	Average Weight	Min Weight	Max Weight	Average fitness	Standard deviation
PSU	331	0.140483	0	4	0.952492	0.166183
BEA	5	1	0	4	0.74	0.332265
TI	14	0.642857	0	4	0.842857	0.244114
PACE	5	1.3	0	3.5	0.68	0.248193

(*) Statistically significant difference → PSU vs TI, PSU vs PACE

- Educational Institution

Educational institution	Number of students	Average Weight	Min Weight	Max Weight	Average fitness	Standard deviation
Municipal	31	0.532258	0	4	0.854839	0.242086
Private Subsidized	75	0.34	0	4	0.904667	0.232977
Private Paid	269	0.133829	0	3	0.957714	0.150276

(*) Statistically significant difference → Municipal vs Private Subsidized, Municipal vs Private Paid

- **Alert weight: 0.6, Stopout weight: 0.3**

- Admisson Track

Admission Track	Number of students	Average Weight	Min Weight	Max Weight	Average fitness	Standard deviation
PSU	331	0.08429	0	2.4	0.971495	0.0997101
BEA	5	0.6	0	2.4	0.844	0.199359
TI	14	0.385714	0	2.4	0.905714	0.146469
PACE	5	0.78	0	2.1	0.808	0.148916

(*) Statistically significant difference → PSU vs TI, PSU vs PACE

- Educational Institution

Educational institution	Number of students	Average Weight	Min Weight	Max Weight	Average fitness	Standard deviation
Municipal	31	0.319355	0	2.4	0.912903	0.145252
Private Subsidized	75	0.204	0	2.4	0.9428	0.139786
Private Paid	269	0.0802974	0	1.8	0.974628	0.0901653

(*) Statistically significant difference → Municipal vs Private Subsidized, Municipal vs Private Paid

- **Alert weight: 0.55, Stopout weight: 0.25**

- Admisson Track

Admission Track	Number of students	Average Weight	Min Weight	Max Weight	Average fitness	Standard deviation
PSU	331	0.0772659	0	2.2	0.973871	0.0914009
BEA	5	0.55	0	2.2	0.857	0.182746
TI	14	0.353571	0	2.2	0.913571	0.134263
PACE	5	0.715	0	1.925	0.824	0.136506

(*) Statistically significant difference → PSU vs TI, PSU vs PACE

- Educational Institution

Educational institution	Number of students	Average Weight	Min Weight	Max Weight	Average fitness	Standard deviation
Municipal	31	0.292742	0	2.2	0.920161	0.133147
Private Subsidized	75	0.187	0	2.2	0.947567	0.128137
Private Paid	269	0.0736059	0	1.65	0.976743	0.0826516

(*) Statistically significant difference → Municipal vs Private Subsidized, Municipal vs Private Paid

- **Alert weight: 0.45, Stopout weight: 0.225**

- **Admission Track**

Admission Track	Number of students	Average Weight	Min Weight	Max Weight	Average fitness	Standard deviation
PSU	331	0.0632175	0	1.8	0.978622	0.0747826
BEA	5	0.45	0	1.8	0.883	0.149519
TI	14	0.289286	0	1.8	0.929286	0.109851
PACE	5	0.585	0	1.575	0.856	0.111687

(*) Statistically significant difference → PSU vs TI, PSU vs PACE

- **Educational Institution**

Educational institution	Number of students	Average Weight	Min Weight	Max Weight	Average fitness	Standard deviation
Municipal	31	0.239516	0	1.8	0.934677	0.108939
Private Subsidized	75	0.153	0	1.8	0.9571	0.10484
Private Paid	269	0.060223	0	1.35	0.980971	0.067624

(*) Statistically significant difference → Municipal vs Private Subsidized, Municipal vs Private Paid

- **Alert weight: 0.4, Stopout weight: 0.2**

- **Admission Track**

Admission Track	Number of students	Average Weight	Min Weight	Max Weight	Average fitness	Standard deviation
PSU	331	0.0561934	0	1.6	0.980997	0.0664734
BEA	5	0.4	0	1.6	0.896	0.132906
TI	14	0.257143	0	1.6	0.937143	0.0976458
PACE	5	0.52	0	1.4	0.872	0.0992774

(*) Statistically significant difference → PSU vs TI, PSU vs PACE

- **Educational Institution**

Educational institution	Number of students	Average Weight	Min Weight	Max Weight	Average fitness	Standard deviation
Municipal	31	0.212903	0	1.6	0.941935	0.0968344
Private Subsidized	75	0.136	0	1.6	0.961867	0.0931907
Private Paid	269	0.0535316	0	1.2	0.983086	0.0601102

(*) Statistically significant difference → Municipal vs Private Subsidized, Municipal vs Private Paid

2. Civil Construction:

- **Alert weight: 1, Stopout weight: 0.5**

- Admisson Track

Admission Track	Number of students	Average Weight	Min Weight	Max Weight	Average fitness	Standard deviation
PSU	199	0.522613	0	5	0.872362	0.245402
BEA	2	1	1	1	0.8	0
TI	2	1.5	1	2	0.4	0.4
PACE	3	1	0	2	0.6	0.432049

(*) Statistically significant difference → PSU vs TI

- Educational Institution

Educational institution	Number of students	Average Weight	Min Weight	Max Weight	Average fitness	Standard deviation
Municipal	44	0.75	0	5	0.772727	0.332425
P Subvencionado	119	0.478992	0	5	0.90063	0.202414
P Pagado	51	0.470588	0	3.5	0.867157	0.257462

- **Alert weight: 0.6, Stopout weight: 0.3**

- Admisson Track

Admission Track	Number of students	Average Weight	Min Weight	Max Weight	Average fitness	Standard deviation
PSU	199	0.313568	0	3	0.923417	0.147241
BEA	2	0.6	0.6	0.6	0.88	0
TI	2	0.9	0.6	1.2	0.64	0.24
PACE	3	0.6	0	1.2	0.76	0.25923

(*) Statistically significant difference → PSU vs TI

- Educational Institution

Educational institution	Number of students	Average Weight	Min Weight	Max Weight	Average fitness	Standard deviation
Municipal	44	0.45	0	3	0.863636	0.199455
P Subvencionado	119	0.287395	0	3	0.940378	0.121448
P Pagado	51	0.282353	0	2.1	0.920294	0.154477

- **Alert weight: 0.55, Stopout weight: 0.25**

- Admisson Track

Admission Track	Number of students	Average Weight	Min Weight	Max Weight	Average fitness	Standard deviation
PSU	199	0.287437	0	2.75	0.929799	0.134971
BEA	2	0.55	0.55	0.55	0.89	0
TI	2	0.825	0.55	1.1	0.67	0.22
PACE	3	0.55	0	1.1	0.78	0.237627

(*) Statistically significant difference → PSU vs TI

- Educational Institution

Educational institution	Number of students	Average Weight	Min Weight	Max Weight	Average fitness	Standard deviation
Municipal	44	0.4125	0	2.75	0.875	0.182834
P Subvencionado	119	0.263445	0	2.75	0.945347	0.111327
P Pagado	51	0.258824	0	1.925	0.926936	0.141604

- **Alert weight: 0.45, Stopout weight: 0.225**

- **Admisson Track**

Admission Track	Number of students	Average Weight	Min Weight	Max Weight	Average fitness	Standard deviation
PSU	199	0.235176	0	2.25	0.942563	0.110431
BEA	2	0.45	0.45	0.45	0.91	0
TI	2	0.675	0.45	0.9	0.73	0.18
PACE	3	0.45	0	0.9	0.82	0.194422

(*) Statistically significant difference → PSU vs TI

- **Educational Institution**

Educational institution	Number of students	Average Weight	Min Weight	Max Weight	Average fitness	Standard deviation
Municipal	44	0.3375	0	2.25	0.897727	0.149591
P Subvencionado	119	0.215546	0	2.25	0.955284	0.0910861
P Pagado	51	0.211765	0	1.575	0.940221	0.115858

- **Alert weight: 0.4, Stopout weight: 0.2**

- **Admisson Track**

Admission Track	Number of students	Average Weight	Min Weight	Max Weight	Average fitness	Standard deviation
PSU	199	0.209045	0	2	0.948945	0.0981609
BEA	2	0.4	0.4	0.4	0.92	0
TI	2	0.6	0.4	0.8	0.76	0.16
PACE	3	0.4	0	0.8	0.84	0.17282

(*) Statistically significant difference → PSU vs TI

- **Educational Institution**

Educational institution	Number of students	Average Weight	Min Weight	Max Weight	Average fitness	Standard deviation
Municipal	44	0.3	0	2	0.909091	0.13297
P Subvencionado	119	0.191597	0	2	0.960252	0.0809654
P Pagado	51	0.188235	0	1.4	0.946863	0.102985