BPM Challenge 2020

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Business Information Systems

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Case study description

At Eindhoven University of Technology staff members travel to conferences or to other universities for project meetings and to meet up with colleagues in the field. The university pays for travel expenses.

There are two types of trips, domestic and international. For domestic travel no prior permission is required. An employee can undertake these trips and ask for reimbursement of the costs afterwards.

For international trips, permission is needed from the supervisor. This permission is obtained by filing a travel-permit and this travel permit should be approved before making any arrangements.

To get the costs for a trip reimbursed, a claim is filed. This can be done as soon as costs are actually paid, or within two months after the trip.

The data presented in this challenge

The data is collected from the reimbursement process at TU/e. The files contain data from 2017 (only two departments) and 2018 the full TU/e.

The data is split in the following datasets:

Table 1 - Data representation

| Number | Name | Cases | Events | Size, Mb | Description |
| --- | --- | --- | --- | --- | --- |
| 1 | Domestic declarations | 10500 | 56437 | 20.5 |  |
| 2 | International declarations | 6449 | 72151 | 29.2 |  |
| 3 | Prepaid travel costs | 2099 | 18246 | 7.8 |  |
| 4 | Requests for payment | 6886 | 36796 | 15.2 |  |
| 5 | Travel permits | 7065 | 86581 | 33.2 |  |

Goals

Knowledge uplift trail

Project results

Conclusion