**Bayesian Network Construction algorithm**

**Function** Dependency\_table (child\_layer, parent\_layer, threshold, minimum)

**Inputs**:

child\_layer ← set of vectors, values of each of the believed dependent variables

parent\_layer ← set of vectors, values of each of the variables the members of child\_layer are believed to depend on

threshold ← Difference below which the possibility of dependence is accepted

minimum ← Value at which the possibility of dependence is discarded

**Return** digraph T

**Outputs:**

**for** i ∈ parent\_layer, j ∈ child\_layer

**if** dependency(i,j) ≥ minimum

**if** dependency(i,j) **>** dependency(j,i)

**T.add\_arc**(i to j)

**else if** dependency(j,i) − dependency(i,j)  
**<** threshold

**T.add\_arc**(i to j)

**end**

**end**

**end**

**return T**

1. Pseudocode for the Bayesian Network Construction algorithm