

# NORMALISATIE

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FLETNIX Beroepsproduct Databases

# ONV

**Omschrijving:** Bij de nulde normaalvorm geven we alle te normaliseren gegevens weer die wij hebben verkregen in de casus

**Tabel:** Series

**Primary key(s):** N.V.T

**Foreign key(s):** N.V.T

Place of studio	Title	Start	Number of seasons	Director(s)	Number of episodes	Age advisory	Age advisory description	Company	Company code
Aalsmeer, The Netherlands	Flodder	1993	5	Dick Maas (48752), Laurens Geels (269426)	62	AL	All ages	Veronica	V
Aalsmeer, The Netherlands	Divorce	2012	4	John de Mol (213445)	49	12	12 years and older	RTL4	R
Los Angeles, USA	Game of Thrones	2011	6	David Benioff (945466)	60	12	12 years and older	HBO	H
Los Angeles, USA	Divorce	2016	1	Paul Simms (945467)	10	16	16 years and older	HBO	H
Paris, France	Mafiosa	2006	5	Hugues Pagan (945468)	40	12	12 years and older	Canal +	C
Paris, France	Les Petits Meurtres d'Agatha Christie	2009	3	Anne Giafferi (945468), Murielle Magellan (945469)	31	12	12 years and older	France 2	F

# 1NV

**Omschrijving:** Bij de eerste normaalvorm gaan wij op de primary keys letten en dus deze aangeven. In onze situatie zijn de primary keys als volgt: country, title en director id. Behalve op de primary keys te letten zullen wij de herhalende gegevens/groepen ook onderscheiden. Dit hebben wij gedaan om de tabel te verduidelijken. In onze tabel is dat terug te zien doordat wij hierbij de movie en person hebben verdeeld tussen de film/persoon zelf en met het id hiervan. Daarnaast hebben wij ook nog award verdeeld onder year en country.

**Tabel:** Series

**Primary key(s):** Country, Title & Director ID

**Foreign key(s):** N.V.T

Place of studio	Country	Title	Start	Seasons	Director Name	Director Id	Episodes	Age	description	Company	Com pany code
Aalsmeer	NL	Flodder	1993	5	Dick Maas	48752	62	AL	All ages	Veronica	V
Aalsmeer	NL	Flodder	1993	5	Laurens Geels	269426	62	AL	All ages	Veronica	V
Aalsmeer	NL	Divorce	2012	4	John de Mol	213445	49	12	12 years and older	RTL4	R
Los Angeles	USA	Game of Thrones	2011	6	David Benioff	945466	60	12	12 years and older	HBO	H
Los Angeles	USA	Divorce	2016	1	Paul Simms	945467	10	16	16 years and older	HBO	H
Paris	FR	Mafiosa	2006	5	Hugues Pagan	945468	40	12	12 years and older	Canal +	C
Paris	FR	Les Petits Meurtres d'Ágatha Christie	2009	3	Anne Giafferi	945468	31	12	12 years and older	France 2	F
Paris	FR	Les Petits Meurtres d'Ágatha Christie	2009	3	Murielle Magellan	945469	31	12	12 years and older	France 2	F

## 2NV

**Omschrijving:** Bij de 2<sup>e</sup> normaalvorm zullen we verder afsplitsen op de primary keys door meerdere tabellen te maken. Hierdoor zal het nog overzichtelijker zijn.

**Tabel:** Location

**Primary key(s):** Country

**Foreign key(s):** N.V.T

Country	Place of Studio
The Netherlands	Aalsmeer
The United States of America	Los Angeles
France	Paris

**Tabel:** Director

**Primary key(s):** Director\_id

**Foreign key(s):** N.V.T

Director_id	Firstname	Lastname
48752	Dick	Maas
269426	Laurens	Geels
213445	John	de Mol
945466	David	Benioff
945467	Paul	Simms
945468	Hugues	Pagan
945470	Anne	Giaferri
945469	Murielle	Magellan

**Tabel:** Series

**Primary key(s):** Title

**Foreign key(s):** N.V.T

Title	Start	Seasons	Episodes
Flodder	1993	5	62
Divorce	2012	4	49
Game of Thrones	2011	6	60
Divorce	2016	1	10
Mafiosa	2006	5	40
Les Petits Meurtres d'Ágatha Christie	2009	3	31

**Tabel:** Serieregel

**Primary key(s):** Country, Title & Director ID

**Foreign key(s):** N.V.T

Country	Title	Director id	Age advisory	Advisory description	Company	Company code
NL	Flodder	48752	AL	All ages	Veronica	V
NL	Flodder	269426	AL	All ages	Veronica	V
NL	Divorce	213445	12	12 years and older	RTL4	R
USA	Game of Thrones	945466	12	12 years and older	HBO	H
USA	Divorce	945467	16	16 years and older	HBO	H
FR	Mafiosa	945468	12	12 years and older	Canal +	C
FR	Les Petitis Meurtres d'Agatha Christie	945468	12	12 years and older	France 2	F
FR	Les Petitis Meurtres d'Agatha Christie	945469	12	12 years and older	France 2	F

# 3NV

**Omschrijving:** Ten slotte zullen we bij de 3<sup>e</sup> normaalvorm na de primary keys nog kijken naar eventuele foreign keys.

**Tabel:** Location

**Primary key(s):** Country

**Foreign key(s):** N.V.T

Country	Place of Studio
The Netherlands	Aalsmeer
The United States of America	Los Angeles
France	Paris

**Tabel:** Director

**Primary key(s):** Director\_id

**Foreign key(s):** N.V.T

Director_id	Firstname	Lastname
48752	Dick	Maas
269426	Laurens	Geels
213445	John	de Mol
945466	David	Benioff
945467	Paul	Simms
945468	Hugues	Pagan
945470	Anne	Giaferri
945469	Murielle	Magellan

**Tabel:** Series

**Primary key(s):** Title

**Foreign key(s):** N.V.T

Title	Start	Seasons	Episodes
Flodder	1993	5	62
Divorce	2012	4	49
Game of Thrones	2011	6	60
Divorce	2016	1	10
Mafiosa	2006	5	40
Les Petits Meurtres d'Ágatha Christie	2009	3	31

**Tabel:** Age

**Primary key(s):** Age\_advisery

**Foreign key(s):** N.V.T

Age_advisery	Age_advisery_description
AL	Alla ges
12	12 years or older
16	16 years or older

**Tabel:** Company

**Primary key(s):** Company

**Foreign key(s):** N.V.T

Company	Company_code
Veronica	V
RTL4	R
HBO	H
Canal+	C
France 2	F

**Tabel:** Serieregel

**Primary key(s):** Country, Title & Director ID

**Foreign key(s):** Country references Country country  
Title references Title title  
Director\_id references Director director\_id  
Age\_advisery references Age\_adviser  
Company references Company company

Country	Title	Director_id	Age_advisery	Company
NL	Flodder	48752	AL	Veronica
NL	Flodder	269426	AL	Veronica
NL	Divorce	213445	12	RTL4
USA	Game of Thrones	945466	12	HBO
USA	Divorce	945467	16	HBO
FR	Mafiosa	945468	12	Canal +
FR	Les Petitis Meurtres d'Agatha Christie	945468	12	France 2
FR	Les Petitis Meurtres d'Agatha Christie	945469	12	France 2