

O*NET 3.0 Database (version 3)
Data Dictionary
Visual FoxPro Version



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Introduction

O*NET, the Occupational Information Network, is a comprehensive database of worker attributes and job characteristics. As the replacement for the Dictionary of Occupational Titles (DOT), O*NET will be the nation's primary source of occupational information.

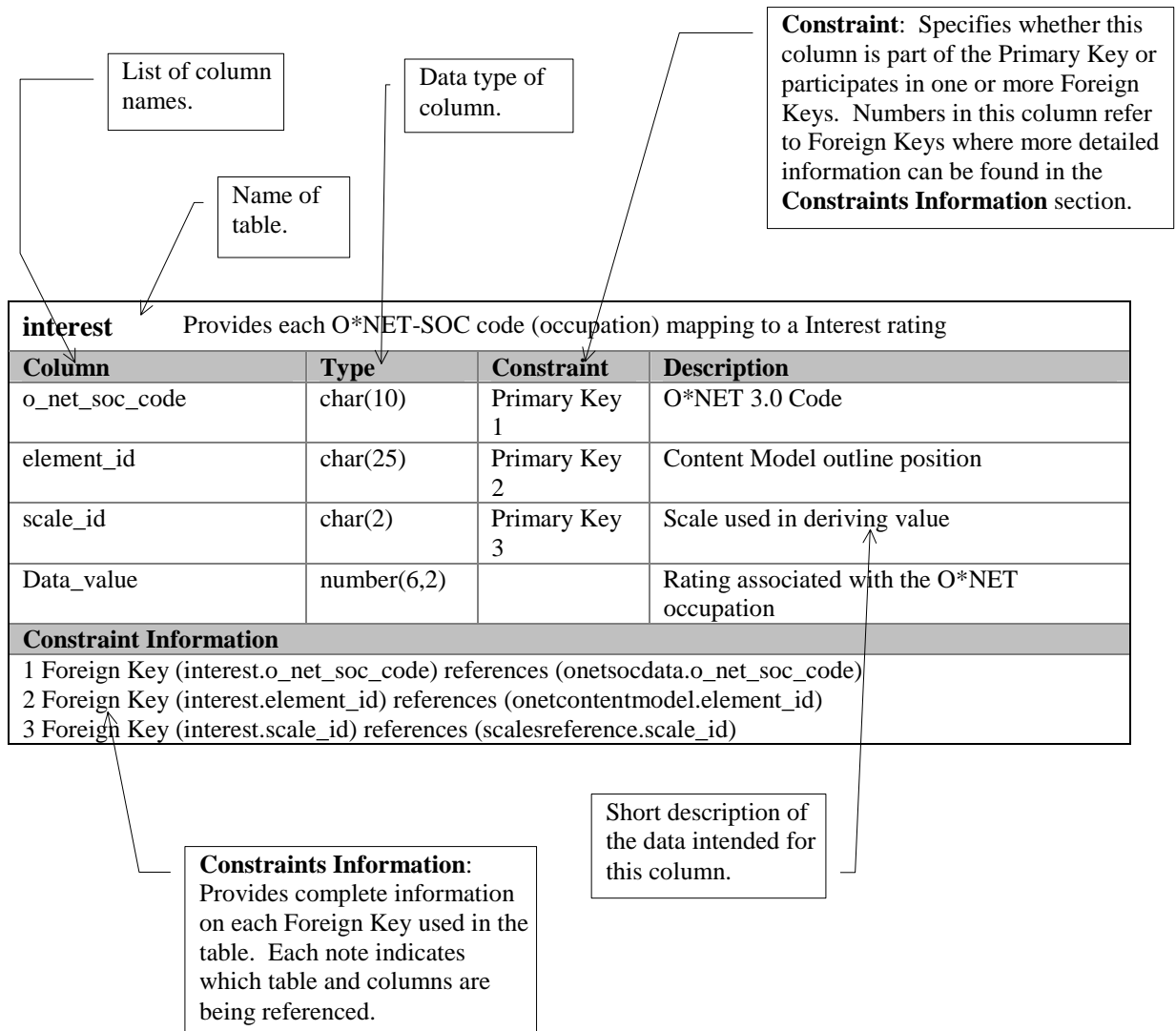
Information from the O*NET Database is available from the National O*NET Consortium (<http://www.onetcenter.org>). The consortium utilizes two means of delivery: an on-line database viewer (<http://online.onetcenter.org/>) and a downloadable database consisting of a series of tab-delimited text files, along with related file documentation (<http://www.onetcenter.org/product/database.html>).

The National Crosswalk Service Center (NCSC), formerly the NOICC Crosswalk and Data Center, has distributed resources related to occupational classifications such as the DOT since 1983. The contents of the files described in this document were taken from the database downloaded from the third Internet page sited above. The tables are also available in a MS Access format. Contact the NCSC for more information.

The contents of the first 17 files (through the *tasks* table) described in this document were adapted from the files downloaded from the consortium web site. Some fields were eliminated from these tables to eliminate redundancy and bring the database into a more normalized configuration. The final two files (*dotcodes* and *oucodes*) were extracted from the same source files so that redundant occurrences of DOT and OU titles could be eliminated from other files.

HOW TO READ A TABLE DEFINITION*

Each table definition contains complete information about the structure of a table. Each definition includes: the name of the table, a complete list of each column name and data type, complete constraint information, and short descriptions of the columns. The following illustration identifies each component of a table definition.



* Thanks to the **North Carolina Employment Security Commission** and the **ALMIS Database Maintenance Consortium** for the use of the format for table descriptions used in this document and this section describing the contents of those layouts.

TABLE CONSTRAINTS

The Constraint section of each table definition identifies all Primary Keys and Foreign Keys for the table. The constraints for a table specify rules for data that will be stored in that table. These rules exist in the form of either Primary Keys or Foreign Keys. The definitions of these terms appear below:

Primary Key: The *Primary Key* is a column or group of columns that shall always be (1) non-null and (2) unique. Only one primary key exists for each table. A Primary Key constraint is enforced on a table so that each row in the table can be uniquely identified.

Foreign Key: A *Foreign Key* is a column or group of columns where each value or group of values exists as a Primary Key in another table. Foreign Key constraints are used so that data for a column or group of columns can be validated against another table containing a list of valid values for that column or group of columns.

O*NET 3.0 Data Dictionary – Version 3 – Table Formats

onetsocdata This table contains one record for each O*NET-SOC Occupation.			
Column	Type	Constraint	Description
O_net_soc_code	char(10)	Primary Key	O*NET 3.0 Code
Title	Char(150)		O*NET 3.0 Title
Description	memo		Description of the occupation
Constraint Information			
N/A			

socouonet This table contains crosswalks among the 1998 SOC, O*NET 98 and O*NET 3.0 classifications			
Column	Type	Constraint	Description
soc_code	char(7)	Primary Key	1998 SOC Code
ou_code	char(6)	Primary Key	O*NET 98 Code
o_net_soc_code	char(10)	Primary Key	O*NET 3.0 Code
Constraint Information			
N/A			

socclassification This table contains one record for each occupation in the 1998 Standard Occupational Classification			
Column	Type	Constraint	Description
soc_code	char(7)	Primary Key	1998 SOC Code
Soc_title	char(150)		1998 SOC Title
Constraint Information			
N/A			

dottoonet This table contains a crosswalk between the O*NET 3.0 classification and the Dictionary of Occupational Titles			
Column	Type	Constraint	Description
dot_code	char(9)	Primary Key	DOT Code
o_net_soc_code	char(10)	Primary Key	O*NET 3.0 Code
Constraint Information			
N/A			

jobzonereference This table contains descriptions of each of O*NET's job zones			
Column	Type	Constraint	Description
number	number(1)	Primary Key	Job Zone number
name	char(50)		Job Zone name/zone
experience	memo		Job Zone experience requirements
education	memo		Job Zone educational requirements
job_training	memo		Job Zone training requirements
examples	memo		Job Zone examples
svp_range	char(20)		Specific Vocational Preparation range
Constraint Information			
N/A			

onetjobzones This table contains one record containing the job zone assignment for each O*NET 3.0 occupation			
Column	Type	Constraint	Description
o_net_soc_code	char(10)	Primary Key	O*NET 3.0 Code
job_zone	number(1)		Job Zone number
Constraint Information			
N/A			

relatedoccupation This table contains related occupation data			
Column	Type	Constraint	Description
o_net_soc_code	char(10)	Primary Key	O*NET 3.0 Code
related_o_net_soc_code	char(10)	Primary Key	Related O*NET 3.0 code mapping
Constraint Information			
N/A			

onetcontentmodel O*NET content model reference			
Column	Type	Constraint	Description
element_id	char(25)	Primary Key	Content Model outline position
element_name	Char(45)		Content Model element name
description	memo		Content Model element description
Constraint Information			
N/A			

scalesreference Provides a reference to the scale names and values			
Column	Type	Constraint	Description
scale_id	char(2)	Primary Key	Scale ID
scale_name	char(100)		Scale Name
minimum	number(4)		Scale minimum
maximum	number(4)		Scale maximum
Constraint Information			
N/A			

skills Provides each O*NET-SOC code (occupation) mapping to a Skill rating			
Column	Type	Constraint	Description
o_net_soc_code	char(10)	Primary Key 1	O*NET 3.0 Code
element_id	char(25)	Primary Key 2	Content Model outline position
scale_id	char(2)	Primary Key 3	Scale used in deriving value
Data_value	number(6,2)		Rating associated with the O*NET occupation
Constraint Information			
1 Foreign Key (skills.o_net_soc_code) references (onetsocdata.o_net_soc_code)			
2 Foreign Key (skills.element_id) references (onetcontentmodel.element_id)			
3 Foreign Key (skills.scale_id) references (scalesreference.scale_id)			

knowledge Provides each O*NET-SOC code (occupation) mapping to a Knowledge rating			
Column	Type	Constraint	Description
o_net_soc_code	char(10)	Primary Key 1	O*NET 3.0 Code
element_id	char(25)	Primary Key 2	Content Model outline position
scale_id	char(2)	Primary Key 3	Scale used in deriving value
Data_value	number(6,2)		Rating associated with the O*NET occupation
Constraint Information			
1 Foreign Key (knowledge.o_net_soc_code) references (onetsocdata.o_net_soc_code)			
2 Foreign Key (knowledge.element_id) references (onetcontentmodel.element_id)			
3 Foreign Key (knowledge.scale_id) references (scalesreference.scale_id)			

ability Provides each O*NET-SOC code (occupation) mapping to a Ability rating			
Column	Type	Constraint	Description
o_net_soc_code	char(10)	Primary Key 1	O*NET 3.0 Code
element_id	char(25)	Primary Key 2	Content Model outline position
scale_id	char(2)	Primary Key 3	Scale used in deriving value
Data_value	number(6,2)		Rating associated with the O*NET occupation
Constraint Information			
1 Foreign Key (ability.o_net_soc_code) references (onetsocdata.o_net_soc_code)			
2 Foreign Key (ability.element_id) references (onetcontentmodel.element_id)			
3 Foreign Key (ability.scale_id) references (scalesreference.scale_id)			

interest Provides each O*NET-SOC code (occupation) mapping to a Interest rating			
Column	Type	Constraint	Description
o_net_soc_code	char(10)	Primary Key 1	O*NET 3.0 Code
element_id	char(25)	Primary Key 2	Content Model outline position
scale_id	char(2)	Primary Key 3	Scale used in deriving value
Data_value	number(6,2)		Rating associated with the O*NET occupation
Constraint Information			
1 Foreign Key (interest.o_net_soc_code) references (onetsocdata.o_net_soc_code)			
2 Foreign Key (interest.element_id) references (onetcontentmodel.element_id)			
3 Foreign Key (interest.scale_id) references (scalesreference.scale_id)			

workvalue Provides each O*NET-SOC code (occupation) mapping to a Work Value rating			
Column	Type	Constraint	Description
o_net_soc_code	char(10)	Primary Key 1	O*NET 3.0 Code
element_id	char(25)	Primary Key 2	Content Model outline position
scale_id	char(2)	Primary Key 3	Scale used in deriving value
Data_value	number(6,2)		Rating associated with the O*NET occupation
Constraint Information			
1 Foreign Key (workvalue.o_net_soc_code) references (onetsocdata.o_net_soc_code)			
2 Foreign Key (workvalue.element_id) references (onetcontentmodel.element_id)			
3 Foreign Key (workvalue.scale_id) references (scalesreference.scale_id)			

workcontext Provides each O*NET-SOC code (occupation) mapping to a Work Context rating			
Column	Type	Constraint	Description
o_net_soc_code	char(10)	Primary Key 1	O*NET 3.0 Code
element_id	char(25)	Primary Key 2	Content Model outline position
scale_id	char(2)	Primary Key 3	Scale used in deriving value
Data_value	number(6,2)		Rating associated with the O*NET occupation
Constraint Information			
1 Foreign Key (workcontext.o_net_soc_code) references (onetsocdata.o_net_soc_code)			
2 Foreign Key (workcontext.element_id) references (onetcontentmodel.element_id)			
3 Foreign Key (workcontext.scale_id) references (scalesreference.scale_id)			

workactivity Provides each O*NET-SOC code (occupation) mapping to a Work Activity rating			
Column	Type	Constraint	Description
o_net_soc_code	char(10)	Primary Key 1	O*NET 3.0 Code
element_id	char(25)	Primary Key 2	Content Model outline position
scale_id	char(2)	Primary Key 3	Scale used in deriving value
Data_value	number(6,2)		Rating associated with the O*NET occupation
Constraint Information			
1 Foreign Key (workactivity.o_net_soc_code) references (onetsocdata.o_net_soc_code)			
2 Foreign Key (workactivity.element_id) references (onetcontentmodel.element_id)			
3 Foreign Key (workactivity.scale_id) references (scalesreference.scale_id)			

tasks Provides each O*NET-SOC code (occupation) mapping to several tasks associated with the occupation			
Column	Type	Constraint	Description
o_net_soc_code	char(10)	Primary Key 1	O*NET 3.0 Code
tasks	char(254)	Primary Key (first 50 characters)	Tasks associated with the occupation
Constraint Information			
1 Foreign Key (skills.o_net_soc_code) references (onetsocdata.o_net_soc_code)			

dotcodes This table provides a listing of titles for all DOT codes found in the DOTTOONET crosswalk table			
Column	Type	Constraint	Description
dot_code	char(9)	Primary Key	DOT Code
dot_title	char(150)		DOT Title
Constraint Information			
N/A			

oucodes	This table provides a listing of titles for all Occupational Unit (OU) codes from the O*NET 98 classification found in the SOCOUONET crosswalk table		
Column	Type	Constraint	Description
ou_code	char(6)	Primary Key	OU Code
ou_title	char(150)		OU Title
Constraint Information			
N/A			