

O*NET Resource Center

O*NET® 30.0 Database

The O*NET database contains a rich set of variables that describe work and worker characteristics, including skill requirements. Developers and other customers are encouraged to incorporate the O*NET database within their products, services, and research. This section contains an overview of the most recent database and a variety of database download options, as well as format-specific data dictionaries.

Overview

All Files

Individual Files

Web Services

Usage License

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The O*NET 30.0 Database is available under a Creative Commons license. See the <u>Database license</u> <u>page</u> for more information.

- Knowledge, Skills, Abilities
- Interests
- Tasks
- Work Activities
- Occupation Titles
- Data Collection

- Education, Experience, Training
- Work Values and Work Styles
- <u>Technology Skills & Tools</u>
- Work Context
- Related Occupations and Related Domains
- Competency Frameworks

Knowledge, Skills, Abilities

Knowledge updated in 30.0

This file contains the Content Model Knowledge data associated with each O*NET-SOC occupation. Read more...



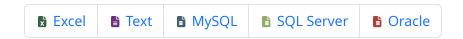
Skills updated in 30.0

This file contains the Content Model Skill data associated with each O*NET-SOC occupation. Read more...



Abilities updated in 30.0

This file contains the Content Model Ability data associated with each O*NET-SOC occupation. Read more...



Education, Experience, Training

Education, Training, and Experience updated in 30.0

This file contains the percent frequency data associated with Education, Training, and Experience Content Model elements. Read more...



Education, Training, and Experience Categories

This file contains the categories associated with the Education, Training, and Experience content area. Read more...



Job Zones updated in 30.0

This file contains each O*NET-SOC code and its corresponding Job Zone number. Read more...



Job Zone Reference

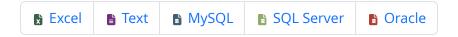
This file describes the five O*NET Job Zones, which are groups of occupations that need the same level of experience, education, and training. Read more...



Interests

Interests

This file contains the general occupational interest (RIASEC) high-point codes and numeric profile data for each O*NET-SOC occupation. Read more...



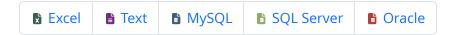
RIASEC Keywords

This file contains action and object keywords for each general occupational interest. Read more...



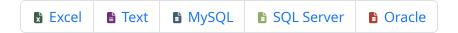
Basic Interests to RIASEC

This file contains linkages between each basic occupational interest to relevant general occupational interests. Read more...



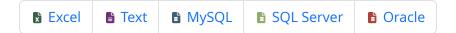
Interests Illustrative Activities

This file contains illustrative work activities related to the general and basic occupational interests. Read more...



Interests Illustrative Occupations

This file contains illustrative occupations linked to the general and basic occupational interests. Read more...



Work Values and Work Styles

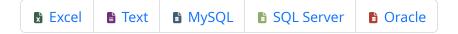
Work Values

This file contains the Content Model Work Values data associated with each O*NET- SOC occupation. Read more...



Work Styles updated in 30.0

This file contains the Content Model Work Styles data associated with each O*NET-SOC occupation. Read more...



Tasks

Task Statements updated in 30.0

This file contains the tasks associated with each O*NET-SOC occupation. Read more...



Task Ratings updated in 30.0

This file contains the task ratings associated with each O*NET-SOC occupation. Read more...



Task Categories

This file contains the categories associated with the Task content area. Read more...



Emerging Tasks updated in 30.0

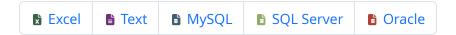
This file contains new and revised task statements proposed for future data collection. Read more...



Technology Skills & Tools

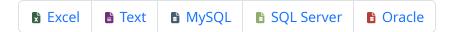
Technology Skills

This file contains the Technology Skills examples, including hot and in-demand technologies, associated with O*NET-SOC occupations. Read more...



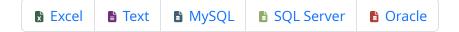
Tools Used

This file contains the Tools Used examples associated with O*NET-SOC occupations. Read more...



UNSPSC Reference

This file contains a listing of commodities in the United Nations Standard Products and Services Code (UNSPSC), version 23.0701. Read more...



Work Activities

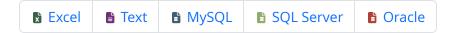
Work Activities updated in 30.0

This file contains the Content Model Work Activity data associated with each O*NET-SOC occupation. Read more...



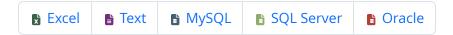
IWA Reference

This file contains each Intermediate Work Activity and its corresponding O*NET Work Activity element ID. Read more...



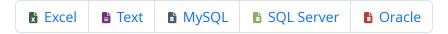
DWA Reference updated in 30.0

This file contains each Detailed Work Activity and its corresponding GWA and IWA identifiers. Read more...



Tasks to DWAs updated in 30.0

This file maps each Detailed Work Activity (DWA) to the task statements, and consequently to the O*NET-SOC occupations, requiring that activity. Read more...



Work Context

Work Context updated in 30.0

This file contains the Content Model Work Context data associated with each O*NET-SOC occupation. Read more...



Work Context Categories

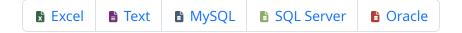
This file contains the categories associated with the Work Context content area. Read more...



Occupation Titles

Occupation Data

This file contains each O*NET-SOC code, occupational title, and definition/description. Read more...



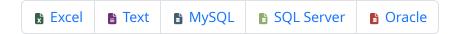
Alternate Titles updated in 30.0

This file contains job or alternate "lay" titles linked to occupations in the O*NET-SOC classification system. Read more...



Sample of Reported Titles updated in 30.0

This file contains job titles frequently reported by incumbents and occupational experts on data collection surveys. Read more...



Related Occupations and Related Domains

Related Occupations

For each O*NET-SOC code included, 10 primary and 10 supplemental related O*NET-SOC codes are listed. Read more...



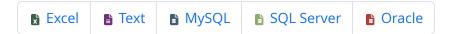
Abilities to Work Activities

This file contains linkages between abilities and relevant work activities. Read more...



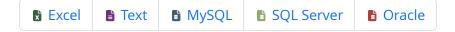
Abilities to Work Context

This file contains linkages between abilities and relevant work context. Read more...



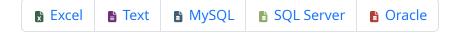
Skills to Work Activities

This file contains linkages between skills and relevant work activities. Read more...



Skills to Work Context

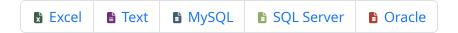
This file contains linkages between skills and relevant work context. Read more...



Data Collection

Content Model Reference

This file contains the Content Model elements and descriptions. Read more...



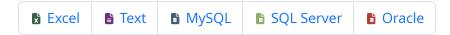
Occupation Level Metadata updated in 30.0

This file contains occupational level metadata variables associated with data collection statistics. Read more...



Level Scale Anchors

This file contains the scale anchors associated with the following four content areas – 1) Abilities, 2) Knowledge, 3) Skills, and 4) Work Activities. Read more...



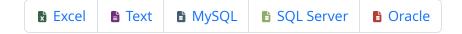
Scales Reference

This file contains the Scale information by which the raw values are measured. Read more...



Survey Booklet Locations

This file contains the Content Model elements that have corresponding survey item numbers in the Survey Booklet. Read more...



Competency Frameworks

The O*NET Content Model includes worker- and job-oriented hierarchical taxonomies that can effectively serve as frameworks for organizing workforce competencies, credentials, and other work-relevant information. These frameworks are available in Excel format and also as machine-readable CTDL JSON-LD files, described using the Credential Transparency Description Language (CTDL) Achievement Standards Network (ASN) schema & developed by Credential Engine C.. The JSON-LD files use the CTDL ASN CompetencyFramework C and CompetencyFramework C and CompetencyGramework C and C classes.

Current and past O*NET-SOC occupations are also published in CTDL JSON-LD format. See <u>Machine-Readable</u> <u>Occupation Taxonomies</u>.

Knowledge Competency Framework

This file contains the hierarchy of Knowledge competencies from the O*NET Content Model.

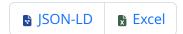
Includes the framework from the Content Model Reference file and data from the Knowledge file.



Basic Skills Competency Framework

This file contains the hierarchy of Basic Skills competencies from the O*NET Content Model.

Includes the framework from the Content Model Reference file and data from the Skills file.



Cross-Functional Skills Competency Framework

This file contains the hierarchy of Cross-Functional Skills competencies from the O*NET Content Model.

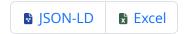
Includes the framework from the Content Model Reference file and data from the Skills file.



Abilities Competency Framework

This file contains the hierarchy of Abilities competencies from the O*NET Content Model.

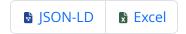
Includes the framework from the **Content Model Reference** file and data from the **Abilities** file.



Technology Skills Competency Framework

This file contains Technology Skills associated with O*NET-SOC occupations, organized by the United Nations Standard Products and Services Code (UNSPSC).

Includes the framework from the <u>UNSPSC Reference</u> file and data from the <u>Technology Skills</u> file.



Work Activities Competency Framework

This file contains the hierarchy of Work Activities competencies, including generalized, intermediate, and detailed work activities. Linked occupation-specific tasks from across occupations are provided as illustrative or "task examples" related to the activities.

Includes the framework from the <u>Content Model Reference</u>, <u>IWA Reference</u>, and <u>DWA Reference</u> files and data from the <u>Work Activities</u> and <u>Tasks to DWAs files</u>.

