

# Codebook v 1.0

The European Union Infringement Procedure  
(EUIP) Database

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## Datasets

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<a href="#">cases</a> . . . . .	3
<a href="#">cases_ts</a> . . . . .	9
<a href="#">cases_ts_ct</a> . . . . .	10
<a href="#">cases_csts_ms</a> . . . . .	12
<a href="#">cases_csts_ms_ct</a> . . . . .	13
<a href="#">cases_csts_dp</a> . . . . .	15
<a href="#">cases_csts_dp_ct</a> . . . . .	16
<a href="#">cases_ddy</a> . . . . .	18
<a href="#">cases_ddy_ct</a> . . . . .	20
<a href="#">cases_net</a> . . . . .	22
<a href="#">cases_net_ct</a> . . . . .	24
<a href="#">decisions</a> . . . . .	26
<a href="#">decisions_ts</a> . . . . .	31
<a href="#">decisions_ts_ct</a> . . . . .	33
<a href="#">decisions_csts_ms</a> . . . . .	35
<a href="#">decisions_csts_ms_ct</a> . . . . .	37
<a href="#">decisions_csts_dp</a> . . . . .	39
<a href="#">decisions_csts_dp_ct</a> . . . . .	41
<a href="#">decisions_ddy</a> . . . . .	43
<a href="#">decisions_ddy_ct</a> . . . . .	45
<a href="#">decisions_net</a> . . . . .	48

decisions_net_ct . . . . .	50
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# cases

Case-level data

## Description

This dataset includes data on infringement cases. There is one observation per case (2002-2020). The dataset includes information on the department responsible for the case, the member state that the case is against, and the progression of the case through the infringement procedure.

## Variables

key_id	numeric	An ID number that uniquely identifies each observation in the dataset.
case_id	string	An ID number that uniquely identifies each case.
case_number	numeric	The number of the case.
case_year	numeric	The year of the case.
member_state_id	numeric	An ID number that uniquely identifies each member state. This ID number is assigned when member states are sorted by accession date and then alphabetically.
member_state	string	The name of the member state that the Commission opened the case against.
member_state_code	string	A two letter code assigned by the Commission that uniquely identifies each member state.

department_id	numeric An ID number that uniquely identifies each Commission department.
department	string The name of the Commission department that opened the infringement case.
department_code	string A multi-letter code assigned by the Commission that uniquely identifies each department.
directive	dummy A dummy variable indicating whether the description of the infringement case provided by the Commission references a directive that the case relates to. Directive numbers have the format ####/####, where the first set of numbers is the year the directive was enacted and the second set is the number of the directive.
directive_number	string The number of the directive that the infringement case relates to, if applicable. Coded NA if the description of the case provided by the Commission does not reference a specific directive number.
celex	string The CELEX number of the directive that the infringement case relates to, if applicable. Coded NA if the description of the case provided by the Commission does not reference a specific directive number. CELEX numbers for directives have the format 3####L####, where the first set of numbers is the year the directive was enacted and the second set is the number of the directive.
case_type_id	numeric An ID number that uniquely identifies each type of state aid cases. Coded 1 for noncommunication cases, which are cases that relate to a member state failing to notify the Commission that it has transposed a directive by the stated deadline. Coded 2 for nonconformity cases, which are cases that relate to a member state incorrectly transposing a directive.
case_type	string The type of the infringement case. There are two types of cases. Coded noncommunication for cases that relate to a member state failing to notify the Commission that it has

	transposed a directive by the stated deadline. Coded <code>nonconformity</code> for cases that relate to a member state incorrectly transposing a directive.
<code>noncommunication</code>	<code>dummy</code> A dummy variable indicating whether the infringement case is a noncommunication case, which is a case that relates to a member state failing to notify that Commission that it has transposed a directive by the stated deadline.
<code>nonconformity</code>	<code>dummy</code> A dummy variable indicating whether the infringement case is a nonconformity case, which is a case that relates to a member state incorrectly transposing a directive.
<code>complete</code>	<code>dummy</code> A dummy variable indicating whether the public records published by the Commission about the case are complete in that they include a record of a letter of formal notice under Article 258 of the Treaty of the Functioning of the European Union (TFEU), a record of the closing of the case, and a record of any stages of the infringement procedure in between.
<code>count_press_releases</code>	<code>numeric</code> The number of press releases published by the Commission related to the case.
<code>stage_lfn_258</code>	<code>dummy</code> A dummy variable indicating whether the decision is a letter of formal notice sent by the Commission under Article 258 of the Treaty on the Functioning of the European Union (TFEU).
<code>stage_ro_258</code>	<code>dummy</code> A dummy variable indicating whether the decision is a reasoned opinion sent by the Commission under Article 258 of the Treaty on the Functioning of the European Union (TFEU).
<code>stage_rf_258</code>	<code>dummy</code> A dummy variable indicating whether the decision is a referral to the Court of Justice of the European Union (CJEU) made by the Commission under Article 258 of the Treaty on the Functioning of the European Union (TFEU).
<code>stage_lfn_260</code>	<code>dummy</code> A dummy variable indicating whether the decision is a letter of formal notice sent by the Commission under Article 260 of the Treaty on the Functioning of the European Union (TFEU).

stage_ro_260	dummy A dummy variable indicating whether the decision is a reasoned opinion sent by the Commission under Article 260 of the Treaty on the Functioning of the European Union (TFEU).
stage_rf_260	dummy A dummy variable indicating whether the decision is a referral to the Court of Justice of the European Union (CJEU) made by the Commission under Article 260 of the Treaty on the Functioning of the European Union (TFEU).
stage_closing	dummy A dummy variable indicating whether the decision is the closing of the case by the Commission.
stage_withdrawal	dummy A dummy variable indicating whether the decision is the withdrawal of the case by the Commission.
case_history	string A summary of the history of the case, including all decisions taken by the Commission in the case (with dates).
corrected_lfn_258	dummy A dummy variable indicating whether the decision is a letter of formal notice sent by the Commission under Article 258 of the Treaty on the Functioning of the European Union (TFEU).
corrected_ro_258	dummy A dummy variable indicating whether the decision is a reasoned opinion sent by the Commission under Article 258 of the Treaty on the Functioning of the European Union (TFEU).
corrected_rf_258	dummy A dummy variable indicating whether the decision is a referral to the Court of Justice of the European Union (CJEU) made by the Commission under Article 258 of the Treaty on the Functioning of the European Union (TFEU).
corrected_lfn_260	dummy A dummy variable indicating whether the decision is a letter of formal notice sent by the Commission under Article 260 of the Treaty on the Functioning of the European Union (TFEU).
corrected_ro_260	dummy A dummy variable indicating whether the decision is a reasoned opinion sent by the Commission under Article 260 of the Treaty on the Functioning of the European Union (TFEU).

<code>corrected_rf_260</code>	<code>dummy</code> A dummy variable indicating whether the decision is a referral to the Court of Justice of the European Union (CJEU) made by the Commission under Article 260 of the Treaty on the Functioning of the European Union (TFEU). Corrected based on data about decisions made by the Commission at later stages of the infringement process.
<code>count_decisions</code>	<code>numeric</code> The number of decisions issued by the Commission in the case. Based on the corrected data.
<code>count_lfn_258</code>	<code>numeric</code> The number of letters of formal notice sent by the Commission under Article 258 of the Treaty on the Functioning of the European Union (TFEU).
<code>count_ro_258</code>	<code>numeric</code> The number of reasoned opinions sent by the Commission under Article 258 of the Treaty on the Functioning of the European Union (TFEU).
<code>count_rf_258</code>	<code>numeric</code> The number of referrals to the Court of Justice of the European Union (CJEU) made by the Commission under Article 258 of the Treaty on the Functioning of the European Union (TFEU).
<code>count_lfn_260</code>	<code>numeric</code> The number of letters of formal notice sent by the Commission under Article 260 of the Treaty on the Functioning of the European Union (TFEU).
<code>count_ro_260</code>	<code>numeric</code> The number of reasoned opinions sent by the Commission under Article 260 of the Treaty on the Functioning of the European Union (TFEU).
<code>count_rf_260</code>	<code>numeric</code> The number of referrals to the Court of Justice of the European Union (CJEU) made by the Commission under Article 260 of the Treaty on the Functioning of the European Union (TFEU).
<code>count_missing</code>	<code>numeric</code> The number of decision stages prior to the last observed decision stage that are missing.
<code>missing_lfn_258</code>	<code>dummy</code> A dummy variable indicating whether the Commission does not report a letter of formal notice under Article 258 of the



Treaty on the Functioning of the European Union (TFEU) but does report a decision at a later stage of the infringement process.

missing\_ro\_258

**dummy** A dummy variable indicating whether the Commission does not report a reasoned opinion under Article 258 of the Treaty on the Functioning of the European Union (TFEU) but does report a decision at a later stage of the infringement process.

missing\_rf\_258

**dummy** A dummy variable indicating whether the Commission does not report a referral to the Court of Justice of the European Union (CJEU) under Article 258 of the Treaty on the Functioning of the European Union (TFEU) but does report a decision at a later stage of the infringement process.

missing\_lfn\_260

**dummy** A dummy variable indicating whether the Commission does not report a letter of formal notice under Article 260 of the Treaty on the Functioning of the European Union (TFEU) but does report a decision at a later stage of the infringement process.

missing\_ro\_260

**dummy** A dummy variable indicating whether the Commission does not report a reasoned opinion under Article 260 of the Treaty on the Functioning of the European Union (TFEU) but does report a decision at a later stage of the infringement process.

# cases\_ts

Case-level time-series data

## Description

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This dataset includes aggregated data on the number of infringement cases per year (time-series data). There is one observation per year (2002-2020).

## Variables

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key_id	numeric	An ID number that uniquely identifies each observation in the dataset.
year	numeric	The year the case was opened by the Commission.
count_cases	numeric	A count of the number of cases opened by the Commission at this level of aggregation.

# cases\_ts\_ct

Case-level time-series data by case type

## Description

This dataset includes aggregated data on the number of infringement cases per year (time-series data) broken down by case type (noncommunication vs nonconformity). There is one observation per year per case type (2002-2020).

## Variables

<code>key_id</code>	<code>numeric</code> An ID number that uniquely identifies each observation in the dataset.
<code>year</code>	<code>numeric</code> The year the case was opened by the Commission.
<code>case_type_id</code>	<code>numeric</code> An ID number that uniquely identifies each type of state aid cases. Coded <code>1</code> for noncommunication cases, which are cases that relate to a member state failing to notify the Commission that it has transposed a directive by the stated deadline. Coded <code>2</code> for nonconformity cases, which are cases that relate to a member state incorrectly transposing a directive.
<code>case_type</code>	<code>string</code> The type of the infringement case. There are two types of cases. Coded <code>noncommunication</code> for cases that relate to a member state failing to notify the Commission that it has transposed a directive by the stated deadline. Coded

`nonconformity` for cases that relate to a member state incorrectly transposing a directive.

`count_cases`

`numeric` A count of the number of cases opened by the Commission at this level of aggregation.

# cases\_csts\_ms

Case-level cross-sectional time-series data by member state

## Description

This dataset includes aggregated data on the number of infringement cases per member state per year (cross-sectional time-series data). There is one observation per member state per year (2002-2020), excluding state-years where the state was not a member of the EU.

## Variables

key_id	numeric	An ID number that uniquely identifies each observation in the dataset.
year	numeric	The year the case was opened by the Commission.
member_state_id	numeric	An ID number that uniquely identifies each member state. This ID number is assigned when member states are sorted by accession date and then alphabetically.
member_state	string	The name of the member state that the Commission opened the case against.
member_state_code	string	A two letter code assigned by the Commission that uniquely identifies each member state.
count_cases	numeric	A count of the number of cases opened by the Commission at this level of aggregation.

# cases\_csts\_ms\_ct

Case-level cross-sectional time-series data by member state and case type

## Description

This dataset includes aggregated data on the number of infringement cases per member state per year (cross-sectional time-series data) broken down by case type (noncommunication vs nonconformity). There is one observation per member state per year per case type (2002-2020), excluding state-years where the state was not a member of the EU.

## Variables

key_id	numeric	An ID number that uniquely identifies each observation in the dataset.
year	numeric	The year the case was opened by the Commission.
member_state_id	numeric	An ID number that uniquely identifies each member state. This ID number is assigned when member states are sorted by accession date and then alphabetically.
member_state	string	The name of the member state that the Commission opened the case against.
member_state_code	string	A two letter code assigned by the Commission that uniquely identifies each member state.
case_type_id	numeric	An ID number that uniquely identifies each type of state aid cases. Coded <code>1</code> for noncommunication cases, which are

cases that relate to a member state failing to notify the Commission that it has transposed a directive by the stated deadline. Coded `2` for nonconformity cases, which are cases that relate to a member state incorrectly transposing a directive.

`case_type`

`string` The type of the infringement case. There are two types of cases. Coded `noncommunication` for cases that relate to a member state failing to notify the Commission that it has transposed a directive by the stated deadline. Coded `nonconformity` for cases that relate to a member state incorrectly transposing a directive.

`count_cases`

`numeric` A count of the number of cases opened by the Commission at this level of aggregation.

# cases\_csts\_dp

Case-level cross-sectional time-series data by department

## Description

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This dataset includes aggregated data on the number of infringement cases per department per year (cross-sectional time-series data). There is one observation per department per year (2002-2020).

## Variables

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key_id	numeric	An ID number that uniquely identifies each observation in the dataset.
year	numeric	The year the case was opened by the Commission.
department_id	numeric	An ID number that uniquely identifies each Commission department.
department	string	The name of the Commission department that opened the infringement case.
department_code	string	A multi-letter code assigned by the Commission that uniquely identifies each department.
count_cases	numeric	A count of the number of cases opened by the Commission at this level of aggregation.



# cases\_csts\_dp\_ct

Case-level cross-sectional time-series data by department and case type

## Description

This dataset includes aggregated data on the number of infringement cases per department per year (cross-sectional time-series data) broken down by case type (noncommunication vs nonconformity). There is one observation per department per year per case type (2002-2020). The dataset uses current department names.

## Variables

key_id	numeric	An ID number that uniquely identifies each observation in the dataset.
year	numeric	The year the case was opened by the Commission.
department_id	numeric	An ID number that uniquely identifies each Commission department.
department	string	The name of the Commission department that opened the infringement case.
department_code	string	A multi-letter code assigned by the Commission that uniquely identifies each department.
case_type_id	numeric	An ID number that uniquely identifies each type of state aid cases. Coded <code>1</code> for noncommunication cases, which are cases that relate to a member state failing to notify the

Commission that it has transposed a directive by the stated deadline. Coded `2` for nonconformity cases, which are cases that relate to a member state incorrectly transposing a directive.

`case_type`

`string` The type of the infringement case. There are two types of cases. Coded `noncommunication` for cases that relate to a member state failing to notify the Commission that it has transposed a directive by the stated deadline. Coded `nonconformity` for cases that relate to a member state incorrectly transposing a directive.

`count_cases`

`numeric` A count of the number of cases opened by the Commission at this level of aggregation.

# cases\_ddy

Case-level directed dyad-year data

## Description

This dataset includes aggregated data on the number of infringement cases per department per member state per year (directed dyad-year data). There is one observation per department per member state per year (2002-2020), excluding directed dyad-years where the state was not a member of the EU. The dataset uses current department names.

## Variables

key_id	numeric	An ID number that uniquely identifies each observation in the dataset.
year	numeric	The year the case was opened by the Commission.
department_id	numeric	An ID number that uniquely identifies each Commission department.
department	string	The name of the Commission department that opened the infringement case.
department_code	string	A multi-letter code assigned by the Commission that uniquely identifies each department.
member_state_id	numeric	An ID number that uniquely identifies each member state. This ID number is assigned when member states are sorted by accession date and then alphabetically.

<code>member_state</code>	<code>string</code> The name of the member state that the Commission opened the case against.
<code>member_state_code</code>	<code>string</code> A two letter code assigned by the Commission that uniquely identifies each member state.
<code>count_cases</code>	<code>numeric</code> A count of the number of cases opened by the Commission at this level of aggregation.

# cases\_ddy\_ct

Case-level directed dyad-year data by case type

## Description

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This dataset includes aggregated data on the number of infringement cases per department per member state per year (directed dyad-year data) broken down by case type (noncommunication vs nonconformity). There is one observation per department per member state per year per case type (2002-2020), excluding directed dyad-years where the state was not a member of the EU. The dataset uses current department names.

## Variables

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key_id	numeric	An ID number that uniquely identifies each observation in the dataset.
year	numeric	The year the case was opened by the Commission.
department_id	numeric	An ID number that uniquely identifies each Commission department.
department	string	The name of the Commission department that opened the infringement case.
department_code	string	A multi-letter code assigned by the Commission that uniquely identifies each department.

<code>member_state_id</code>	<code>numeric</code> An ID number that uniquely identifies each member state. This ID number is assigned when member states are sorted by accession date and then alphabetically.
<code>member_state</code>	<code>string</code> The name of the member state that the Commission opened the case against.
<code>member_state_code</code>	<code>string</code> A two letter code assigned by the Commission that uniquely identifies each member state.
<code>case_type_id</code>	<code>numeric</code> An ID number that uniquely identifies each type of state aid cases. Coded <code>1</code> for noncommunication cases, which are cases that relate to a member state failing to notify the Commission that it has transposed a directive by the stated deadline. Coded <code>2</code> for nonconformity cases, which are cases that relate to a member state incorrectly transposing a directive.
<code>case_type</code>	<code>string</code> The type of the infringement case. There are two types of cases. Coded <code>noncommunication</code> for cases that relate to a member state failing to notify the Commission that it has transposed a directive by the stated deadline. Coded <code>nonconformity</code> for cases that relate to a member state incorrectly transposing a directive.
<code>count_cases</code>	<code>numeric</code> A count of the number of cases opened by the Commission at this level of aggregation.

# cases\_net

Case-level network data

## Description

This dataset includes network data on infringement cases. Network data is similar to directed dyad-year data except that it only includes directed dyad-years with at least one infringement case. For every year, there is one node per department and one node per member state. Edges can only exist between a department and a member state. There is an edge between a department and a member state if and only if the department opened at least one case against the member state during that year. The weight of the edge is the number of cases that the department opened against the member state. There is one observation per department per member state per year (2002-2020), excluding directed dyad-years where the state was not a member of the EU, but only if count of cases is positive.

## Variables

key_id	numeric	An ID number that uniquely identifies each observation in the dataset.
year	numeric	The year the case was opened by the Commission.
from_node_id	numeric	An ID number that uniquely identifies each node in the network that creates a link, which is always a Commission department.
from_node	string	The name of the Commission department that opened the infringement case.

<code>to_node_id</code>	<code>numeric</code> An ID number that uniquely identifies each node in the network that receives a link, which is always a member state.
<code>to_node</code>	<code>string</code> The name of the member state that the Commission opened the case against.
<code>edge_weight</code>	<code>numeric</code> The weight of the edge, which is the number of cases opened by the Commission.



# cases\_net\_ct

Case-level network data by case type

## Description

This dataset includes multi-dimensional network data on infringement cases. There is one dimension per case type (noncommunication vs nonconformity). Network data is similar to directed dyad-year data except that it only includes directed dyad-years with at least one infringement case with respect to each case type. For every year, there is one node per department and one node per member state. Edges can only exist between a department and a member state. There is an edge between a department and a member state with respect to each case type if and only if the department opened at least one case against the member state during that year. The weight of the edge is the number of cases that the department opened against the member state. There is one observation per department per member state per year per case type (2002-2020), excluding directed dyad-years where the state was not a member of the EU, but only if the count of cases is positive.

## Variables

key_id	numeric	An ID number that uniquely identifies each observation in the dataset.
year	numeric	The year the case was opened by the Commission.
layer_id	numeric	An ID number that uniquely identifies each layer of the network.
layer	string	The layer of the network, which is type of case.

<code>from_node_id</code>	<code>numeric</code> An ID number that uniquely identifies each node in the network that creates a link, which is always a Commission department.
<code>from_node</code>	<code>string</code> The name of the Commission department that opened the infringement case.
<code>to_node_id</code>	<code>numeric</code> An ID number that uniquely identifies each node in the network that receives a link, which is always a member state.
<code>to_node</code>	<code>string</code> The name of the member state that the Commission opened the case against.
<code>edge_weight</code>	<code>numeric</code> The weight of the edge, which is the number of cases opened by the Commission.

# decisions

Decision-level data

## Description

This dataset include data on infringement decisions. There is one observation per decision per case (2002-2020). The dataset includes information on the department responsible for the decision and the member state that the decision is against.

## Variables

key_id	numeric	An ID number that uniquely identifies each observation in the dataset.
decision_id	numeric	An ID number that uniquely identifies each decision in an infringement case.
case_id	string	An ID number that uniquely identifies each case.
case_number	numeric	The number of the case.
case_year	numeric	The year of the case.
decision_date	date	The date that the Commission issued the decision in the format YYYY-MM-DD .
decision_year	numeric	The year that the Commission issued the decision.
decision_month	numeric	The month that the Commission issued the decision.

<code>decision_day</code>	<code>numeric</code> The day that the Commission issued the decision.
<code>member_state_id</code>	<code>numeric</code> An ID number that uniquely identifies each member state. This ID number is assigned when member states are sorted by accession date and then alphabetically.
<code>member_state</code>	<code>string</code> The name of the member state that the Commission opened the case against.
<code>member_state_code</code>	<code>string</code> A two letter code assigned by the Commission that uniquely identifies each member state.
<code>department_id</code>	<code>numeric</code> An ID number that uniquely identifies each Commission department.
<code>department</code>	<code>string</code> The name of the Commission department that opened the infringement case.
<code>department_code</code>	<code>string</code> A multi-letter code assigned by the Commission that uniquely identifies each department.
<code>case_type_id</code>	<code>numeric</code> An ID number that uniquely identifies each type of state aid cases. Coded <code>1</code> for noncommunication cases, which are cases that relate to a member state failing to notify the Commission that it has transposed a directive by the stated deadline. Coded <code>2</code> for nonconformity cases, which are cases that relate to a member state incorrectly transposing a directive.
<code>case_type</code>	<code>string</code> The type of the infringement case. There are two types of cases. Coded <code>noncommunication</code> for cases that relate to a member state failing to notify the Commission that it has transposed a directive by the stated deadline. Coded <code>nonconformity</code> for cases that relate to a member state incorrectly transposing a directive.
<code>noncommunication</code>	<code>dummy</code> A dummy variable indicating whether the infringement case is a noncommunication case, which is a case that relates to a member state failing to notify that Commission that it has transposed a directive by the stated deadline.

nonconformity	dummy A dummy variable indicating whether the infringement case is a nonconformity case, which is a case that relates to a member state incorrectly transposing a directive.
directive	dummy A dummy variable indicating whether the description of the infringement case provided by the Commission references a directive that the case relates to. Directive numbers have the format #####/#### , where the first set of numbers is the year the directive was enacted and the second set is the number of the directive.
directive_number	string The number of the directive that the infringement case relates to, if applicable. Coded NA if the description of the case provided by the Commission does not reference a specific directive number.
celex	string The CELEX number of the directive that the infringement case relates to, if applicable. Coded NA if the description of the case provided by the Commission does not reference a specific directive number. CELEX numbers for directives have the format 3####L#### , where the first set of numbers is the year the directive was enacted and the second set is the number of the directive.
decision_stage_id	numeric An ID number that uniquely identifies each decision stage in the infringement procedure. Coded 1 for letters of formal notice under Article 258 of the Treaty on the Functioning of the European Union (TFEU), coded 2 for reasoned opinions under Article 258, coded 3 for referrals to the Court of Justice of the European Union (CJEU) under Article 258, coded 4 for letters of formal notice under Article 260, coded 5 for reasoned opinions under Article 260, and coded 6 for referrals to the Court under Article 260.
decision_stage	string The decision stage of the infringement procedure. Possible values include: Letter of formal notice (Article 258) , Reasoned opinion (Article 259) , Referral to the Court (Article 258) ,

	Letter of formal notice (Article 260) , Reasoned opinion (Article 260) , and Referral to the Court (Article 260) .
stage_lfn_258	dummy A dummy variable indicating whether the decision is a letter of formal notice sent by the Commission under Article 258 of the Treaty on the Functioning of the European Union (TFEU).
stage_ro_258	dummy A dummy variable indicating whether the decision is a reasoned opinion sent by the Commission under Article 258 of the Treaty on the Functioning of the European Union (TFEU).
stage_rf_258	dummy A dummy variable indicating whether the decision is a referral to the Court of Justice of the European Union (CJEU) made by the Commission under Article 258 of the Treaty on the Functioning of the European Union (TFEU).
stage_lfn_260	dummy A dummy variable indicating whether the decision is a letter of formal notice sent by the Commission under Article 260 of the Treaty on the Functioning of the European Union (TFEU).
stage_ro_260	dummy A dummy variable indicating whether the decision is a reasoned opinion sent by the Commission under Article 260 of the Treaty on the Functioning of the European Union (TFEU).
stage_rf_260	dummy A dummy variable indicating whether the decision is a referral to the Court of Justice of the European Union (CJEU) made by the Commission under Article 260 of the Treaty on the Functioning of the European Union (TFEU).
stage_closing	dummy A dummy variable indicating whether the decision is the closing of the case by the Commission.
stage_withdrawal	dummy A dummy variable indicating whether the decision is the withdrawal of the case by the Commission.
stage_additional	dummy A dummy variable indicating whether the decision is an additional decision (a decision of the same type as a previous decision).

press\_release

dummy A dummy variable indicating whether the Commission published a press release to publicize the decision.

# decisions\_ts

Decision-level time-series data

## Description

This dataset includes aggregated data on the number of decisions per stage of the infringement procedure per year (time-series data). There is one observation per year per decision stage (2002-2020).

## Variables

key_id	numeric	An ID number that uniquely identifies each observation in the dataset.
year	numeric	The year the decision was issued by the Commission.
decision_stage_id	numeric	An ID number that uniquely identifies each decision stage in the infringement procedure. Coded <code>1</code> for letters of formal notice under Article 258 of the Treaty on the Functioning of the European Union (TFEU), coded <code>2</code> for reasoned opinions under Article 258, coded <code>3</code> for referrals to the Court under Article 258, coded <code>4</code> for letters of formal notice under Article 260, coded <code>5</code> for reasoned opinions under Article 260, and coded <code>6</code> for referrals to the Court under Article 261
decision_stage	string	The decision stage of the infringement procedure. Possible values include: Letter of formal notice (Article 258) ,



	Reasoned opinion (Article 259) , Referral to the Court (Article 258) , Letter of formal notice (Article 260) , Reasoned opinion (Article 260) ,and Referral to the Court (Article 260) .
count_decisions	numeric A count of the number of decisions made by the Commission in infringement cases at this level of aggregation.

# decisions\_ts\_ct

Decision-level time-series data by case type

## Description

This dataset includes aggregated data on the number of decisions per stage of the infringement procedure per year (time-series data) broken down by case type (noncommunication vs nonconformity). There is one observation per year per decision stage per case type (2002-2020).

## Variables

key_id	numeric	An ID number that uniquely identifies each observation in the dataset.
year	numeric	The year the decision was issued by the Commission.
case_type_id	numeric	An ID number that uniquely identifies each type of state aid cases. Coded <code>1</code> for noncommunication cases, which are cases that relate to a member state failing to notify the Commission that it has transposed a directive by the stated deadline. Coded <code>2</code> for nonconformity cases, which are cases that relate to a member state incorrectly transposing a directive.
case_type	string	The type of the infringement case. There are two types of cases. Coded <code>noncommunication</code> for cases that relate to a member state failing to notify the Commission that it has transposed a directive by the stated deadline. Coded

	<code>nonconformity</code> for cases that relate to a member state incorrectly transposing a directive.
<code>decision_stage_id</code>	<code>numeric</code> An ID number that uniquely identifies each decision stage in the infringement procedure. Coded <code>1</code> for letters of formal notice under Article 258 of the Treaty on the Functioning of the European Union (TFEU), coded <code>2</code> for reasoned opinions under Article 258, coded <code>3</code> for referrals to the Court under Article 258, coded <code>4</code> for letters of formal notice under Article 260, coded <code>5</code> for reasoned opinions under Article 260, and coded <code>6</code> for referrals to the Court under Article 262
<code>decision_stage</code>	<code>string</code> The decision stage of the infringement procedure. Possible values include: Letter of formal notice (Article 258) , Reasoned opinion (Article 259) , Referral to the Court (Article 258) , Letter of formal notice (Article 260) , Reasoned opinion (Article 260) ,and Referral to the Court (Article 260) .
<code>count_cases</code>	<code>numeric</code> A count of the number of cases opened by the Commission at this level of aggregation.

# decisions\_csts\_ms

Decision-level cross-sectional time-series data by member state

## Description

This dataset includes aggregated data on the number of decisions per stage of the infringement procedure per member state per year (cross-sectional time-series data). There is one observation per member state per year per decision stage (2002-2020), excluding state-years where the state was not a member of the EU.

## Variables

key_id	numeric	An ID number that uniquely identifies each observation in the dataset.
year	numeric	The year the decision was issued by the Commission.
member_state_id	numeric	An ID number that uniquely identifies each member state. This ID number is assigned when member states are sorted by accession date and then alphabetically.
member_state	string	The name of the member state that the Commission opened the case against.
member_state_code	string	A two letter code assigned by the Commission that uniquely identifies each member state.
decision_stage_id	numeric	An ID number that uniquely identifies each decision stage in the infringement procedure. Coded 1 for letters of

formal notice under Article 258 of the Treaty on the Functioning of the European Union (TFEU), coded 2 for reasoned opinions under Article 258, coded 3 for referrals to the Court under Article 258, coded 4 for letters of formal notice under Article 260, coded 5 for reasoned opinions under Article 260, and coded 6 for referrals to the Court under Article 263

decision\_stage

string The decision stage of the infringement procedure.

Possible values include:

Letter of formal notice (Article 258) ,  
Reasoned opinion (Article 259) ,  
Referral to the Court (Article 258) ,  
Letter of formal notice (Article 260) ,  
Reasoned opinion (Article 260) ,and  
Referral to the Court (Article 260) .

count\_decisions

numeric A count of the number of decisions made by the Commission in infringement cases at this level of aggregation.

# decisions\_csts\_ms\_ct

Decision-level cross-sectional time-series data by member state and case type

## Description

This dataset includes aggregated data on the number of decisions per stage of the infringement procedure per member state per year (cross-sectional time-series data) broken down by case type (noncommunication vs nonconformity). There is one observation per member state per year per decision stage per case type (2002-2020), excluding state-years where the state was not a member of the EU.

## Variables

key_id	numeric	An ID number that uniquely identifies each observation in the dataset.
year	numeric	The year the decision was issued by the Commission.
member_state_id	numeric	An ID number that uniquely identifies each member state. This ID number is assigned when member states are sorted by accession date and then alphabetically.
member_state	string	The name of the member state that the Commission opened the case against.
member_state_code	string	A two letter code assigned by the Commission that uniquely identifies each member state.

<code>case_type_id</code>	<code>numeric</code> An ID number that uniquely identifies each type of state aid cases. Coded <code>1</code> for noncommunication cases, which are cases that relate to a member state failing to notify the Commission that it has transposed a directive by the stated deadline. Coded <code>2</code> for nonconformity cases, which are cases that relate to a member state incorrectly transposing a directive.
<code>case_type</code>	<code>string</code> The type of the infringement case. There are two types of cases. Coded <code>noncommunication</code> for cases that relate to a member state failing to notify the Commission that it has transposed a directive by the stated deadline. Coded <code>nonconformity</code> for cases that relate to a member state incorrectly transposing a directive.
<code>decision_stage_id</code>	<code>numeric</code> An ID number that uniquely identifies each decision stage in the infringement procedure. Coded <code>1</code> for letters of formal notice under Article 258 of the Treaty on the Functioning of the European Union (TFEU), coded <code>2</code> for reasoned opinions under Article 258, coded <code>3</code> for referrals to the Court under Article 258, coded <code>4</code> for letters of formal notice under Article 260, coded <code>5</code> for reasoned opinions under Article 260, and coded <code>6</code> for referrals to the Court under Article 264
<code>decision_stage</code>	<code>string</code> The decision stage of the infringement procedure. Possible values include: Letter of formal notice (Article 258) , Reasoned opinion (Article 259) , Referral to the Court (Article 258) , Letter of formal notice (Article 260) , Reasoned opinion (Article 260) ,and Referral to the Court (Article 260) .
<code>count_decisions</code>	<code>numeric</code> A count of the number of decisions made by the Commission in infringement cases at this level of aggregation.

# decisions\_csts\_dp

Decision-level cross-sectional time-series data by department

## Description

This dataset includes aggregated data on the number of decisions per stage of the infringement procedure per department per year (cross-sectional time-series data). There is one observation per department per year per decision stage (2002-2020). The dataset uses current department names.

## Variables

key_id	numeric	An ID number that uniquely identifies each observation in the dataset.
year	numeric	The year the decision was issued by the Commission.
department_id	numeric	An ID number that uniquely identifies each Commission department.
department	string	The name of the Commission department that opened the infringement case.
department_code	string	A multi-letter code assigned by the Commission that uniquely identifies each department.
decision_stage_id	numeric	An ID number that uniquely identifies each decision stage in the infringement procedure. Coded <b>1</b> for letters of formal notice under Article 258 of the Treaty on the Functioning of the European Union (TFEU), coded <b>2</b> for reasoned opinions under



Article 258, coded 3 for referrals to the Court under Article 258, coded 4 for letters of formal notice under Article 260, coded 5 for reasoned opinions under Article 260, and coded 6 for referrals to the Court under Article 265

decision\_stage

string The decision stage of the infringement procedure.

Possible values include:

Letter of formal notice (Article 258) ,  
Reasoned opinion (Article 259) ,  
Referral to the Court (Article 258) ,  
Letter of formal notice (Article 260) ,  
Reasoned opinion (Article 260) ,and  
Referral to the Court (Article 260) .

count\_decisions

numeric A count of the number of decisions made by the Commission in infringement cases at this level of aggregation.

# decisions\_csts\_dp\_ct

Decision-level cross-sectional time-series data by department and case type

## Description

This dataset includes aggregated data on the number of decisions per stage of the infringement procedure per department per year (cross-sectional time-series data) broken down by case type (noncommunication vs nonconformity). There is one observation per department per year per decision stage per case type (2002-2020). The dataset uses current department names.

## Variables

key_id	numeric	An ID number that uniquely identifies each observation in the dataset.
year	numeric	The year the decision was issued by the Commission.
department_id	numeric	An ID number that uniquely identifies each Commission department.
department	string	The name of the Commission department that opened the infringement case.
department_code	string	A multi-letter code assigned by the Commission that uniquely identifies each department.
case_type_id	numeric	An ID number that uniquely identifies each type of state aid cases. Coded <b>1</b> for noncommunication cases, which are cases that relate to a member state failing to notify the

Commission that it has transposed a directive by the stated deadline. Coded `2` for nonconformity cases, which are cases that relate to a member state incorrectly transposing a directive.

`case_type`

`string` The type of the infringement case. There are two types of cases. Coded `noncommunication` for cases that relate to a member state failing to notify the Commission that it has transposed a directive by the stated deadline. Coded `nonconformity` for cases that relate to a member state incorrectly transposing a directive.

`decision_stage_id`

`numeric` An ID number that uniquely identifies each decision stage in the infringement procedure. Coded `1` for letters of formal notice under Article 258 of the Treaty on the Functioning of the European Union (TFEU), coded `2` for reasoned opinions under Article 258, coded `3` for referrals to the Court under Article 258, coded `4` for letters of formal notice under Article 260, coded `5` for reasoned opinions under Article 260, and coded `6` for referrals to the Court under Article 266

`decision_stage`

`string` The decision stage of the infringement procedure. Possible values include:

`Letter of formal notice (Article 258) ,`  
`Reasoned opinion (Article 259) ,`  
`Referral to the Court (Article 258) ,`  
`Letter of formal notice (Article 260) ,`  
`Reasoned opinion (Article 260) ,and`  
`Referral to the Court (Article 260) .`

`count_decisions`

`numeric` A count of the number of decisions made by the Commission in infringement cases at this level of aggregation.

# decisions\_ddy

Decision-level directed dyad-year data

## Description

This dataset includes aggregated data on the number of decisions per stage of the infringement procedure per department per member state per year (directed dyad-year data). There is one observation per department per member state per year per decision stage (2002-2020), excluding directed dyad-years where the state was not a member of the EU. The dataset uses current department names.

## Variables

key_id	numeric	An ID number that uniquely identifies each observation in the dataset.
year	numeric	The year the decision was issued by the Commission.
department_id	numeric	An ID number that uniquely identifies each Commission department.
department	string	The name of the Commission department that opened the infringement case.
department_code	string	A multi-letter code assigned by the Commission that uniquely identifies each department.

<code>member_state_id</code>	<code>numeric</code> An ID number that uniquely identifies each member state. This ID number is assigned when member states are sorted by accession date and then alphabetically.
<code>member_state</code>	<code>string</code> The name of the member state that the Commission opened the case against.
<code>member_state_code</code>	<code>string</code> A two letter code assigned by the Commission that uniquely identifies each member state.
<code>decision_stage_id</code>	<code>numeric</code> An ID number that uniquely identifies each decision stage in the infringement procedure. Coded <code>1</code> for letters of formal notice under Article 258 of the Treaty on the Functioning of the European Union (TFEU), coded <code>2</code> for reasoned opinions under Article 258, coded <code>3</code> for referrals to the Court under Article 258, coded <code>4</code> for letters of formal notice under Article 260, coded <code>5</code> for reasoned opinions under Article 260, and coded <code>6</code> for referrals to the Court under Article 267
<code>decision_stage</code>	<code>string</code> The decision stage of the infringement procedure. Possible values include: Letter of formal notice (Article 258) , Reasoned opinion (Article 259) , Referral to the Court (Article 258) , Letter of formal notice (Article 260) , Reasoned opinion (Article 260) ,and Referral to the Court (Article 260) .
<code>count_decisions</code>	<code>numeric</code> A count of the number of decisions made by the Commission in infringement cases at this level of aggregation.

# decisions\_ddy\_ct

Decision-level directed dyad-year data by case type

## Description

This dataset includes aggregated data on the number of decisions per stage of the infringement procedure per department per member state per year (directed dyad-year data) broken down by case type (noncommunication vs nonconformity). There is one observation per department per member state per year per case type per decision stage (2002-2020), excluding directed dyad-years where the state was not a member of the EU. The dataset uses current department names.

## Variables

key_id	numeric	An ID number that uniquely identifies each observation in the dataset.
year	numeric	The year the decision was issued by the Commission.
department_id	numeric	An ID number that uniquely identifies each Commission department.
department	string	The name of the Commission department that opened the infringement case.
department_code	string	A multi-letter code assigned by the Commission that uniquely identifies each department.

<code>member_state_id</code>	<code>numeric</code> An ID number that uniquely identifies each member state. This ID number is assigned when member states are sorted by accession date and then alphabetically.
<code>member_state</code>	<code>string</code> The name of the member state that the Commission opened the case against.
<code>member_state_code</code>	<code>string</code> A two letter code assigned by the Commission that uniquely identifies each member state.
<code>case_type_id</code>	<code>numeric</code> An ID number that uniquely identifies each type of state aid cases. Coded <code>1</code> for noncommunication cases, which are cases that relate to a member state failing to notify the Commission that it has transposed a directive by the stated deadline. Coded <code>2</code> for nonconformity cases, which are cases that relate to a member state incorrectly transposing a directive.
<code>case_type</code>	<code>string</code> The type of the infringement case. There are two types of cases. Coded <code>noncommunication</code> for cases that relate to a member state failing to notify the Commission that it has transposed a directive by the stated deadline. Coded <code>nonconformity</code> for cases that relate to a member state incorrectly transposing a directive.
<code>decision_stage_id</code>	<code>numeric</code> An ID number that uniquely identifies each decision stage in the infringement procedure. Coded <code>1</code> for letters of formal notice under Article 258 of the Treaty on the Functioning of the European Union (TFEU), coded <code>2</code> for reasoned opinions under Article 258, coded <code>3</code> for referrals to the Court under Article 258, coded <code>4</code> for letters of formal notice under Article 260, coded <code>5</code> for reasoned opinions under Article 260, and coded <code>6</code> for referrals to the Court under Article 268
<code>decision_stage</code>	<code>string</code> The decision stage of the infringement procedure. Possible values include: Letter of formal notice (Article 258) , Reasoned opinion (Article 259) , Referral to the Court (Article 258) , Letter of formal notice (Article 260) ,

	Reasoned opinion (Article 260) , and Referral to the Court (Article 260) .
count_decisions	numeric A count of the number of decisions made by the Commission in infringement cases at this level of aggregation.



# decisions\_net

Decision-level network data

## Description

This dataset includes multi-dimensional network data on infringement decisions. There is one dimension per decision stage. Network data is similar to directed dyad-year data except that it only includes directed dyad-years with at least one decision with respect to each stage. For every year, there is one node per department and one node per member state. Edges can only exist between a department and a member state. There is an edge between a department and a member state with respect to each stage if and only if the department issued at least one decision against the member state during that year. The weight of the edge is the number of decisions that the department opened against the member state. There is one observation per department per member state per year per decision stage (2002-2020), excluding directed dyad-years where the state was not a member of the EU, but only if count of decisions is positive.

## Variables

key_id	numeric	An ID number that uniquely identifies each observation in the dataset.
year	numeric	The year the decision was issued by the Commission.
layer_id	numeric	An ID number that uniquely identifies each layer of the network.
layer	string	The layer of the network, which is the decision stage.

<code>from_node_id</code>	<code>numeric</code> An ID number that uniquely identifies each node in the network that creates a link, which is always a Commission department.
<code>from_node</code>	<code>string</code> The name of the Commission department that opened the infringement case.
<code>to_node_id</code>	<code>numeric</code> An ID number that uniquely identifies each node in the network that receives a link, which is always a member state.
<code>to_node</code>	<code>string</code> The name of the member state that the Commission issued the decision against.
<code>edge_weight</code>	<code>numeric</code> The weight of the edge, which is the number of decisions opened by the Commission.

# decisions\_net\_ct

Decision-level network data by case type

## Description

This dataset includes multi-dimensional network data on infringement decisions. There is one dimension per case type (noncommunication vs nonconformity) per decision stage. Network data is similar to directed dyad-year data except that it only includes directed dyad-years with at least one decision with respect to each case type and stage. For every year, there is one node per department and one node per member state. Edges can only exist between a department and a member state. There is an edge between a department and a member state with respect to each case type and stage if and only if the department issued at least one decision against the member state during that year. The weight of the edge is the number of decisions that the department opened against the member state. There is one observation per department per member state per year per case type per decision stage (2002-2020), excluding directed dyad-years where the state was not a member of the EU, but only if the count of decisions is positive.

## Variables

key_id	numeric	An ID number that uniquely identifies each observation in the dataset.
year	numeric	The year the decision was issued by the Commission.
d1_layer_id	numeric	An ID number that uniquely identifies each layer of the network within the first dimension.

d1_layer	string	The layer of the network within the first dimension, which is type of case.
d2_layer_id	numeric	An ID number that uniquely identifies each layer of the network within the second dimension.
d2_layer	string	The layer of the network within the second dimension, which is the decision stage.
from_node_id	numeric	An ID number that uniquely identifies each node in the network that creates a link, which is always a Commission department.
from_node	string	The name of the Commission department that opened the infringement case.
to_node_id	numeric	An ID number that uniquely identifies each node in the network that receives a link, which is always a member state.
to_node	string	The name of the member state that the Commission opened the case against.
edge_weight	numeric	The weight of the edge, which is the number of decisions opened by the Commission.