

CLAIMS

[Claim 1]

A text analyzing device comprising:

a punishment action text extraction means which extracts a text
5 which describes a punishment action which is an action which indicates
a punishment of a fraud or an illegal act, or an action for demanding
the punishment, from an input text set which is a set of a plurality of
texts to be inputted; and

a problematic behavior extraction means which extracts description
10 related to a problematic behavior which is a cause of the punishment action
taken before the punishment action described in the text extracted by
the punishment action text extraction means;

wherein the problematic behavior extraction means specifies a date
indicated by a portion which describes the punishment action, from the
15 text extracted by the punishment action text extraction means, and
extracts description related to a behavior before the date as description
related to the problematic behavior from the text.

[Claim 2]

The text analyzing device according to claim 1, wherein the
20 punishment action text extraction means extracts the text which describes
the punishment action, from the input text set which includes a text
created from a news article or a consumer generated medium.

~~[Claim 3]~~

~~The text analyzing device according to claim 1 or 2, wherein the~~
25 ~~problematic behavior extraction means specifies a date indicated by a~~
~~portion which describes the punishment action, from the text extracted~~
~~by the punishment action text extraction means, and extracts description~~
~~related to a behavior before the date as description related to the~~
~~problematic behavior from the text.~~

30 [Claim 4]

The text analyzing device according to claim 1 or 2, wherein the
problematic behavior extraction means extracts the description related
to the problematic behavior corresponding to the punishment action based
on causation in relation to the punishment action described in the text
35 extracted by the

punishment action text extraction means.

~~_[Claim 5]~~

~~—— The text analyzing device according to claim 1 or 2, wherein the problematic behavior extraction means comprising:~~

5 ~~—— a text extraction means which specifies a date indicated by a portion which describes the punishment action, from the text extracted by the punishment action text extraction means, and extracts a text which describes a behavior conducted before the date, from a problematic behavior containing text which is a set of texts including the description~~
10 ~~related to the problematic behavior; and~~

~~—— a behavior extraction means which extracts description related to the behavior before the punishment action is taken, as the description related to the problematic behavior from the text extracted by the text extraction means.~~

15 ~~[Claim 64]~~

The text analyzing device according to claim 1 or 2, wherein the problematic behavior extraction means comprising:

a related text extraction means which extracts as a related text from a problematic behavior containing text which is a set of texts
20 including the description related to the problematic behavior a text comprising high similarity to the text extracted by the punishment action text extraction means, a text specified from a link which indicates position information of another document described in the text extracted by the punishment action text extraction means or a text which describes
25 the link indicating the text extracted by the punishment action text extraction means; and

a behavior extraction means which extracts description related to the behavior before the punishment action is taken, as the description related to the problematic behavior from the related text extracted by
30 the related text extraction means.

~~{Claim 7}~~

~~—— A text analyzing device according to any one of claims~~

1 to 6, further comprising;

~~—— a good behavior generation means which generates a set of good behavior from a good behavior text set which is a set of texts including description related to a good behavior which is a behavior irrelevant to a fraud and an illegal act; and~~

~~—— a good behavior extraction means which extracts a behavior which frequently appears in a set of problematic behavior extracted by the problematic behavior extraction means compared to the set of the good behavior, from the set of the problematic behavior.~~

[Claim 85]

The text analyzing device according to any one of claims 1 to 74, wherein the problematic behavior extraction means extracts description related to a behavior conducted by a target of the punishment action from the description related to the extracted problematic behavior.

[Claim 6]

A text analyzing device comprising:

a punishment action text extraction means which extracts a text which describes a punishment action which is an action which indicates a punishment of a fraud or an illegal act, or an action for demanding the punishment, from an input text set which is a set of a plurality of texts to be inputted;

a problematic behavior extraction means which extracts description related to a problematic behavior which is a cause of the punishment action taken before the punishment action described in the text extracted by the punishment action text extraction means;

a text extraction means which specifies a date indicated by a portion which describes the punishment action, from the text extracted by the punishment action text extraction means, and extracts a text which describes a behavior conducted before the date, from a problematic behavior containing text which is a set of texts including the description related to the problematic behavior; and

a behavior extraction means which extracts description related to the behavior before the punishment action is taken, as the description related to the problematic behavior from the text extracted by the text extraction means.

[Claim 7]

A text analyzing device comprising:

a punishment action text extraction means which extracts a text which describes a punishment action which is an action which indicates a punishment of a fraud or an illegal act, or an action for demanding the punishment, from an input text set which is a set of a plurality of texts to be inputted;

a problematic behavior extraction means which extracts description related to a problematic behavior which is a cause of the punishment action taken before the punishment action described in the text extracted by the punishment action text extraction means;

a good behavior generation means which generates a set of good behavior from a good behavior text set which is a set of texts including description related to a good behavior which is a behavior irrelevant to a fraud and an illegal act; and

a good behavior extraction means which extracts a behavior which frequently appears in a set of problematic behavior extracted by the problematic behavior extraction means compared to the set of the good behavior, from the set of the problematic behavior.

[Claim 98]

A problematic behavior extraction method comprising:

extracting a text which describes a punishment action which is an action which indicates a punishment of a fraud or an illegal act, or an action for demanding the punishment, from an input text set which is a set of a plurality of texts to be inputted; and

extracting description related to a problematic behavior which is a cause of the punishment action taken before the punishment action described in the extracted text;

wherein when extracting the problematic behavior, specifying a date indicated by a portion which describes the punishment action from the extracted text, and extracting description related to a behavior before the date as description related to the problematic behavior from the text.

[Claim 109]

A problematic behavior extraction program causing a computer to execute:

- 5 punishment action text extraction processing of extracting a text which describes a punishment action which is an action which indicates a punishment of a fraud or an illegal act, or an action for demanding the punishment, from an input text set which is a set of a plurality of texts to be inputted;

and

problematic behavior extraction processing of extracting
description related to a problematic behavior which is a cause of the
punishment action taken before the punishment action described in the
5 | text extracted by the punishment action text extraction processing;

wherein in the problematic behavior extraction processing,
specifying a date indicated by a portion which describes the punishment
action from the extracted text, and extracting description related to
a behavior before the date as description related to the problematic
10 | behavior from the text.