

CLAIMS

1. A recommendation device comprising:

a storage unit that stores therein a model generated by training in which time-series data in a certain period is used as training data, in association with a distribution of the training data;

an acquisition unit that acquires time-series data in a certain period;

a calculation unit that calculates a similarity by comparing a distribution of the acquired time-series data with the distribution of the training data; and

a specification unit that specifies the model generated by training in which the training data is used, when the calculated similarity is equal to or greater than a certain threshold.

2. The recommendation device according to claim 1, further including a presentation unit that presents the model corresponding to the distribution of the training data in descending order of the similarity, when the calculated similarity is equal to or greater than a certain threshold.

3. The recommendation device according to claim 1, further including a generation unit that generates a model by training in which the acquired time-series data is used as training data, when each calculated similarity is less than a certain threshold.

4. A recommendation method executed by a recommendation device, the recommendation device including a storage unit that stores therein a model generated by training in which time-series data in a certain period is used as training

data, in association with a distribution of the training data, the recommendation method comprising:

a process of acquiring time-series data in a certain period;

5 a process of calculating a similarity by comparing a distribution of the acquired time-series data with the distribution of the training data; and

a process of specifying the model generated by training in which the training data is used, when the
10 calculated similarity is equal to or greater than a certain threshold.

5. A computer-readable recording medium storing therein a recommendation program, by referring a storage unit that
15 stores therein a model generated by training in which time-series data in a certain period is used as training data, in association with a distribution of the training data, that causes a computer to execute a process comprising:

a step of acquiring time-series data in a certain
20 period;

a step of calculating a similarity by comparing a distribution of the acquired time-series data with the distribution of the training data; and

a step of specifying the model generated by training
25 in which the training data is used, when the calculated similarity is equal to or greater than a certain threshold.