[TITLE OF THE DOCUMENT] SPECIFICATION

[TITLE OF THE INVENTION] INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING METHOD, AND INFORMATION PROCESSING PROGRAM

[TECHNICAL FIELD]

[0001]

The present disclosure relates to an information processing apparatus, an information processing method, and an information processing program.

[BACKGROUND ART]

[0002]

Conventionally there are known techniques that propose articles such as clothing or footwear suitable for users. For example, there is a known technique that proposes a size of a specific product suitable for a user based on evaluations of sizes of the specific product by other users.

[RELATED-ART DOCUMENT]

[PATENT DOCUMENT]

[0003]

Patent Document 1: Japanese Patent No. 5256362

[SUMMARY OF THE INVENTION]

[TECHNICAL PROBLEM]

[0004]

Nevertheless, conventional techniques fail to promote further improvement of service according to a foot size of a target user. For example, the conventional techniques fail to provide services based on whether a certain size of the plurality of sizes fits the feet of the target user.

[0005]

In view of the above problem, the present disclosure has an object to promote further improvement of service according to the foot size of the target user.

[SOLUTION TO PROBLEM]

Summary

[0005a]

In an aspect, the present disclosure refers to an information processing apparatus comprising:

a first generation section configured to generate relationship information that indicates a relationship between foot sizes of a plurality of users and sizes of specific footwear purchased by the plurality of users;

an estimation section configured to estimate a foot size of a target user from a purchase history of the target user, based on the relationship information generated by the first generation section;

an identification section configured to identify an allowable range of sizes of specific footwear that is allowable for at least one specific user based on evaluation information on a plurality of sizes of the specific footwear evaluated by the specific user;

a second generation section configured to generate first correlation information that indicates a first correlation between the allowable range identified by the identification section and a foot size of the specific user; and

a provision section configured to provide a service according to the foot size of the target user estimated by the estimation section, based on the first correlation information generated by the second generation section.

[0005b]

In an aspect, the present disclosure refers to an information processing method executed by a computer, the method comprising:

a first generation step of generating relationship information that indicates a relationship between foot sizes of a plurality of users and sizes of specific footwear purchased by the plurality of users;

an estimation step of estimating a foot size of a target user from a purchase history of the target user, based on the relationship information generated in the first generation step;

an identification step of identifying an allowable range of sizes of specific footwear that is allowable for at least one specific user based on evaluation information on a plurality of sizes of the specific footwear evaluated by the specific user;

a second generation step of generating first correlation information indicating a first correlation between the allowable range identified in the identification step and a foot size of the specific user; and

a provision step of providing a service according to the foot size of the target user estimated in the estimation step, based on the first correlation information generated in the second generation step.

[0005c]

In an aspect, the present disclosure refers to an information processing program that causes a computer to execute:

a first generation process for generating relationship information that indicates a relationship between foot sizes of a plurality of users and sizes of specific footwear purchased by the plurality of users;

an estimation process for estimating a foot size of a target user from a purchase history of the target user, based on the relationship information generated by the first generation process;

an identification process for identifying an allowable range of sizes of specific footwear that is allowable for at least one specific user based on evaluation information on a plurality of sizes of the specific footwear evaluated by the specific user;

a second generation process for generating first correlation information indicating a first correlation between the allowable range identified by the identification process and a foot size of the specific user; and

a provision process for providing a service according to the foot size of the target user estimated by the estimation process, based on the first correlation information generated by the second generation process.

[0006]

[TITLE OF THE DOCUMENT] What is claimed is:

[Claim 1]

An information processing apparatus comprising:

a first generation section configured to generate relationship information that indicates a relationship between foot sizes of a plurality of users and sizes of specific footwear purchased by the plurality of users;

an estimation section configured to estimate a foot size of a target user from a purchase history of the target user, based on the relationship information generated by the first generation section;

an identification section configured to identify an allowable range of sizes of specific footwear that is allowable for at least one specific user based on evaluation information on a plurality of sizes of the specific footwear evaluated by the specific user;

a second generation section configured to generate first correlation information that indicates a first correlation between the allowable range identified by the identification section and a foot size of the specific user; and

a provision section configured to provide a service according to the foot size of the target user estimated by the estimation section, based on the first correlation information generated by the second generation section.

[Claim 2]

The information processing apparatus according to claim 1, wherein

the first generation section generates the relationship information for each of the specific footwear, and

the estimation section estimates the foot sizes of the target user based on the specific footwear purchased by the target user and a size thereof.

[Claim 3]

The information processing apparatus according to claim 1, wherein

the first generation section generates, as the relationship information, an approximation

curve that indicates the relationship between the foot sizes of the plurality of users and the sizes of the specific footwear purchased by the plurality of users.

[Claim 4]

The information processing apparatus according to claim 1, wherein

the second generation section generates second correlation information that indicates a second correlation between evaluations by the plurality of users who have purchased the specific footwear, as the specific user, and foot sizes of the plurality of users, and

the identification section identifies the allowable range of the sizes of the specific footwear estimated to be allowable for each of the plurality of users based on the second correlation information generated by the second generation section.

[Claim 5]

The information processing apparatus according to claim 4, wherein

the identification section identifies the allowable range based on scores that are calculated based on the second correlation information and indicate fitting degrees of feet of the plurality of users with respect to the plurality of sizes.

[Claim 6]

The information processing apparatus according to claim 1, wherein

the provision section provides the service based on a decision result of whether a certain size of the specific footwear is suitable for the foot size of the target user.

[Claim 7]

The information processing apparatus according to claim 1, wherein

the identification section identifies the allowable range based on the evaluation information that the specific user has evaluated by selecting from among evaluations based on a predetermined evaluation criterion.

[Claim 8]

The information processing apparatus according to claim 1, wherein

the identification section identifies the allowable range based on the evaluation information on the plurality of sizes specified and evaluated in a predetermined order.

[Claim 9]

The information processing apparatus according to claim 1, wherein

the specific user is a user who has expertise in sales of footwear including the specific footwear.

[Claim 10]

An information processing method executed by a computer, the method comprising:

a first generation step of generating relationship information that indicates a relationship between foot sizes of a plurality of users and sizes of specific footwear purchased by the plurality of users;

an estimation step of estimating a foot size of a target user from a purchase history of the target user, based on the relationship information generated in the first generation step;

an identification step of identifying an allowable range of sizes of specific footwear that is allowable for at least one specific user based on evaluation information on a plurality of sizes of the specific footwear evaluated by the specific user;

a second generation step of generating first correlation information indicating a first correlation between the allowable range identified in the identification step and a foot size of the specific user; and

a provision step of providing a service according to the foot size of the target user estimated in the estimation step, based on the first correlation information generated in the second generation step.

[Claim 11]

An information processing program that causes a computer to execute:

a first generation process for generating relationship information that indicates a relationship between foot sizes of a plurality of users and sizes of specific footwear purchased by

the plurality of users;

an estimation process for estimating a foot size of a target user from a purchase history of the target user, based on the relationship information generated by the first generation process;

an identification process for identifying an allowable range of sizes of specific footwear that is allowable for at least one specific user based on evaluation information on a plurality of sizes of the specific footwear evaluated by the specific user;

a second generation process for generating first correlation information indicating a first correlation between the allowable range identified by the identification process and a foot size of the specific user; and

a provision process for providing a service according to the foot size of the target user estimated by the estimation process, based on the first correlation information generated by the second generation process.