CLAIMS

~~1. A data collection apparatus for collecting operation data of an air conditioner, comprising:~~

~~estimation means for estimating an air temperature inside the data collection apparatus as an estimated air temperature; and~~

~~temperature control means for decreasing the air temperature inside the data collection apparatus when the estimated air temperature is higher than a reference value.~~

~~2. The data collection apparatus according to claim 1, further comprising:~~

~~communication means for communicating with a server, wherein~~

~~the temperature control means decreases the air temperature inside the data collection apparatus by stopping operation of the communication means.~~

~~3. The data collection apparatus according to claim 1 or 2, further comprising:~~

~~ventilation means for performing ventilation of the data collection apparatus, wherein~~

~~the temperature control means decreases the air temperature inside the data collection apparatus by controlling the ventilation means to ventilate.~~

~~4. The data collection apparatus according to claim 1, further comprising:~~

~~communication means for communicating with a server; and~~

~~ventilation means for performing ventilation of the data collection apparatus, wherein~~

~~the estimation means further estimates a ventilation-in-progress air temperature that is an air temperature inside the data collection apparatus when the ventilation means performs ventilation, and~~

~~the temperature control means (i) decreases the air temperature inside the data collection apparatus by stopping operation of the communication means, when the ventilation-in-progress air temperature is higher than the reference value, and (ii) decreases the air temperature inside the data collection apparatus by controlling the ventilation means to ventilate, when the ventilation-in-progress air temperature is lower than or equal to the reference value.~~

~~5. The data collection apparatus according to any one of claims 1 to 4, wherein the estimation means estimates the air temperature inside the data collection apparatus based on the operation data.~~

~~6. The data collection apparatus according to any one of claims 1 to 5, further comprising:~~

~~meteorological data acquisition means for acquiring meteorological data, wherein the estimation means estimates the air temperature inside the data collection apparatus based on the meteorological data.~~

~~7. The data collection apparatus according to any one of claims 1 to 6, further comprising:~~

~~solar radiation data acquisition means for acquiring solar radiation data, wherein the estimation means estimates the air temperature inside the data collection apparatus by estimating, based on the solar radiation data, a quantity of heat induced by solar radiation and penetrating into the data collection apparatus.~~

~~8. A data collection system comprising:~~

~~an air conditioner; and~~

~~a data collection apparatus configured to collect operation data of the air~~

~~conditioner, wherein~~

~~the data collection apparatus includes (i) estimation means for estimating an air temperature inside the data collection apparatus as an estimated air temperature and (ii) temperature control means for decreasing the air temperature inside the data collection apparatus when the estimated air temperature is higher than a reference value.~~

~~9. The data collection system according to claim 8, further comprising:~~

~~a server, wherein~~

~~the data collection apparatus further includes communication means for communicating with the server, and~~

~~the temperature control means decreases the air temperature inside the data collection apparatus by stopping operation of the communication means.~~

~~10. The data collection system according to claim 9, wherein~~

~~the data collection apparatus further includes meteorological data acquisition means for acquiring meteorological data from the server, and~~

~~the estimation means estimates the air temperature inside the data collection apparatus based on the meteorological data.~~

~~11. A control method for controlling an air temperature inside a data collection apparatus for collecting operation data of an air conditioner, the control method comprising:~~

~~estimating the air temperature inside the data collection apparatus as an estimated air temperature, and~~

~~decreasing the air temperature inside the data collection apparatus when the estimated air temperature is higher than a reference value.~~

~~12. A program causing a computer to function as:~~

~~estimation means for estimating an air temperature inside a data collection apparatus as an estimated air temperature; and~~

~~temperature control means for decreasing the air temperature inside the data collection apparatus when the estimated air temperature is higher than a reference value.~~

1. A data collection apparatus (10) for collecting operation data of an air conditioner (20), characterized by comprising:

estimation means (106) for estimating, based on the operation data, an air temperature inside the data collection apparatus (10) as an estimated air temperature; and

temperature control means (107) for decreasing the air temperature inside the data collection apparatus (10) when the estimated air temperature is higher than a reference value.

2. The data collection apparatus (10) according to claim 1, further comprising:

communication means (110) for communicating with a server (30), wherein

the temperature control means (107) decreases the air temperature inside the data collection apparatus (10) by stopping operation of the communication means (110).

3. The data collection apparatus (10) according to claim 1 or 2, further comprising:

ventilation means (130) for performing ventilation of the data collection apparatus (10),

wherein the temperature control means (107) decreases the air temperature inside the data collection apparatus (10) by controlling the ventilation means (130) to ventilate.

4. The data collection apparatus (10) according to claim 1, further comprising:

communication means (110) for communicating with a server (30); and

ventilation means (130) for performing ventilation of the data collection apparatus (10), wherein

the estimation means (106) further estimates a ventilation-in-progress air temperature that is an air temperature inside the data collection apparatus (10) when the ventilation means (130) performs ventilation, and

the temperature control means (107) (i) decreases the air temperature inside the data collection apparatus (10) by stopping operation of the communication means (110), when the ventilation-in-progress air temperature is higher than the reference value, and (ii) decreases the air temperature inside the data collection apparatus (10) by controlling the ventilation means (130) to ventilate, when the ventilation-in-progress air temperature is lower than or equal to the reference value.

5. The data collection apparatus (10) according to any one of claims 1 to 4, further comprising:

meteorological data acquisition means (104) for acquiring meteorological data, wherein the estimation means (106) estimates the air temperature inside the data collection apparatus (10) based on the meteorological data.

6. The data collection apparatus (10) according to any one of claims_1 to 5, further comprising:

solar radiation data acquisition means (104) for acquiring solar radiation data, wherein the estimation means (106) estimates the air temperature inside the data collection apparatus (10) by estimating, based on the solar radiation data, a quantity of heat induced by solar radiation and penetrating into the data collection apparatus (10).

7. A data collection system (1) comprising:

an air conditioner (20); and

the data collection apparatus (10) according to claim 1, the data collection apparatus (10) being configured to collect operation data of the air conditioner (20).

8. The data collection system (1) according to claim 7, further comprising:

a server (30), wherein

the data collection apparatus (10) further includes communication means (110) for communicating with the server (30), and

the temperature control means (107) decreases the air temperature inside the data collection apparatus (10) by stopping operation of the communication means (110).

9. The data collection system (1) according to claim 8, wherein

the data collection apparatus (10) further includes meteorological data acquisition means (104) for acquiring meteorological data from the server (30), and

the estimation means (106) estimates the air temperature inside the data collection apparatus (10) based on the meteorological data.

10. A control method for controlling an air temperature inside a data collection apparatus (10) configured to collect operation data of an air conditioner (20), the control method comprising:

estimating, based on the operation data, the air temperature inside the data collection apparatus (10) as an estimated air temperature, and

decreasing the air temperature inside the data collection apparatus (10) when the estimated air temperature is higher than a reference value.

11. A program having a program code for causing a computer to perform the method according to claim 10.