Term: Analogy

Quote: The formula of analogy is as follows:-

\[ S', S'', S''' \text{ are taken at random from such a class that their characters at } \]
\[ \text{random are such as } P', P'', P'''. \]
\[ t \text{ is } P', P'', \text{ and } P''''. \]
\[ S', S'', \text{ and } S''' \text{ are } q; \]
\[ \therefore t \text{ is } q. \]

Such an argument is double. It combines the two following:-

1

\[ S', S'', S''' \text{ are taken as being } P', P'', P'''. \]
\[ S', S'', S''' \text{ are } q. \]
\[ \therefore \text{(By induction) } P', P'', P'''' \text{ is } q. \]
\[ t \text{ is } P', P'', P'''. \]
\[ \therefore \text{(Deductively) } t \text{ is } q. \]

2

\[ S', S'', S''' \text{ are, for instance, } P', P'', P'''. \]
\[ t \text{ is } P', P'', P'''; \]
\[ \therefore \text{(By hypothesis) } t \text{ has the common characters of } S', S'', S'''. \]
\[ S', S'', S''' \text{ are } q. \]
\[ \therefore \text{(Deductively) } t \text{ is } q. \]

Owing to its double character, analogy is very strong with only a moderate number of instances.


References: W 2:46-47; CP 2.513

Date of Quote: 1867

URL: http://www.commens.org/dictionary/entry/quote-natural-classification-arguments