

Darwin - 1872.

Expression of emotions in man & animals

Victorian roots of facial recognition

Essay by Darwin.

↳ Magazine opinion → Mediocre.

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Real life mag.

People believe — Many things

⇒ No science

Superstition ends & science begins

Astronomy is not science

→ need proof of knowledge.

Falsifiability is how science is defined

↳ Potential for something to be false.

Only if something is proven false ⇒ It is science.

Prediction using hypothesis.

Wrongly proven hypothesis \rightarrow Science is formed.

Theory - Different in science.

\rightarrow Means truth in science.

Astrology problem \rightarrow Cannot be proven wrong.

Alchemy theory: For metal.

Pathognomy - Grave power

(Medieval times

\rightarrow Study people's skull & tell their qualities.

Predict $\xrightarrow{\text{prove it wrong}}$ Science.

Science \rightarrow called Wissenschaft.

\downarrow

" natural philosophy.

Technique to
deliberately prove things wrong

Critical thinking — Popularized.

Darwin — came up with Evolution.

Evolution \rightarrow Natural selection.

Animals randomly mutate \rightarrow Good mutations survive

\rightarrow Bad

die

Creatures mutate — like vegetables — carrot, potato.

Orange — created.

\rightarrow cross between pomelo, sweet mandarin

Darwin book — expression of emotion.

instead of looking at bones \rightarrow look at emotion.

Human character ← Dynamic
internal.

Convenient for people in power

Can do same with animals - emotions.

ML to do emotion detection → computational physiognomy.

Criminal tribes act.

↓
British → Made tribes oppressed

Paranoia — after 9/11

↓
convenient for politicians