**Inductive versus deductive reasoning**

**Deductive**: reasoning from the **general** to the **particular**

Eg. All Brazilian men are good at football

Marcos is Brazilian

Therefore Marcos…………….

**Value**: more certain, but less informative than induction

**Inductive**: reasoning from the **particular** to the **general**

Eg. Kaka is good at football, Alves is good at football, Hulk is good at football

(Kaka, Alves and Hulk are all Brazilian men)

Therefore all Brazilian men are good at football

**Value**: more informative but less certain than deduction

**Deductive reasoning examples:**

Jeffrey, Rhiannon, William, Sumran and Madi are wearing school uniform today

Therefore all of 12PA wear school uniform everyday

Jeffrey, Rhiannon, William, Sumran and Madi all write with their right hand

Therefore all of 12PA write with their right hand

Problems with the above? How can we distinguish good generalisations from bad ones?