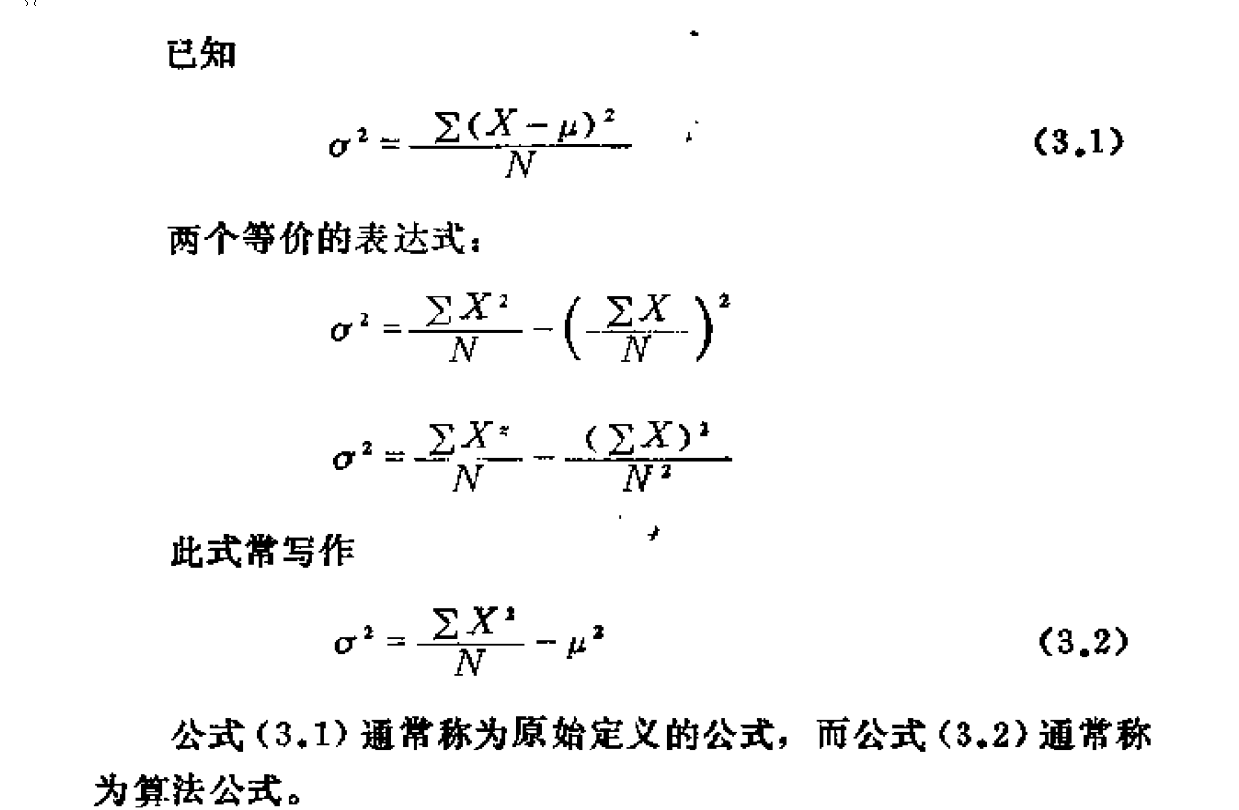
**0. 方差**

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**Simple linear regression model:**

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**Assumption 1:**

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**Assumption 2: zero conditional mean**

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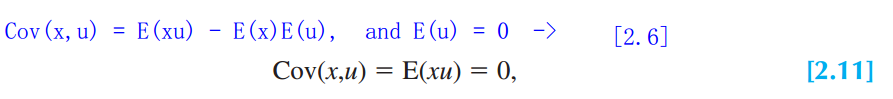
**Population regression function, PRF (From 2.1 and 2.6):**

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**For each sample (from 2.1)**

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**From 2.6:**

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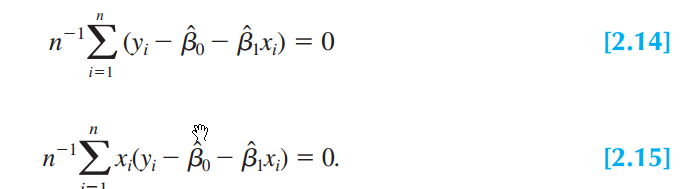
**From 2.5:**

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**From 2.11:**

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**From 2.12 and 2.13:**

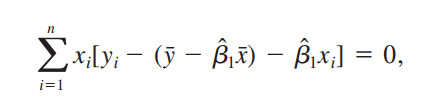
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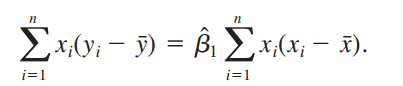
**From 2.14**

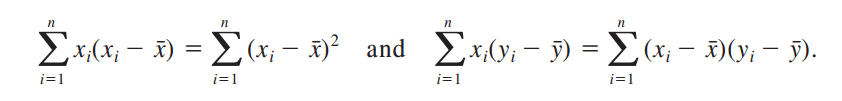
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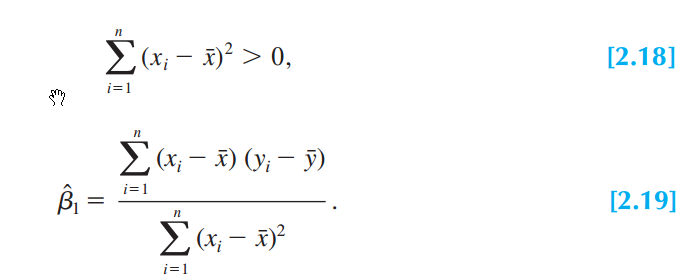
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**From 2.15 and 2.17:**

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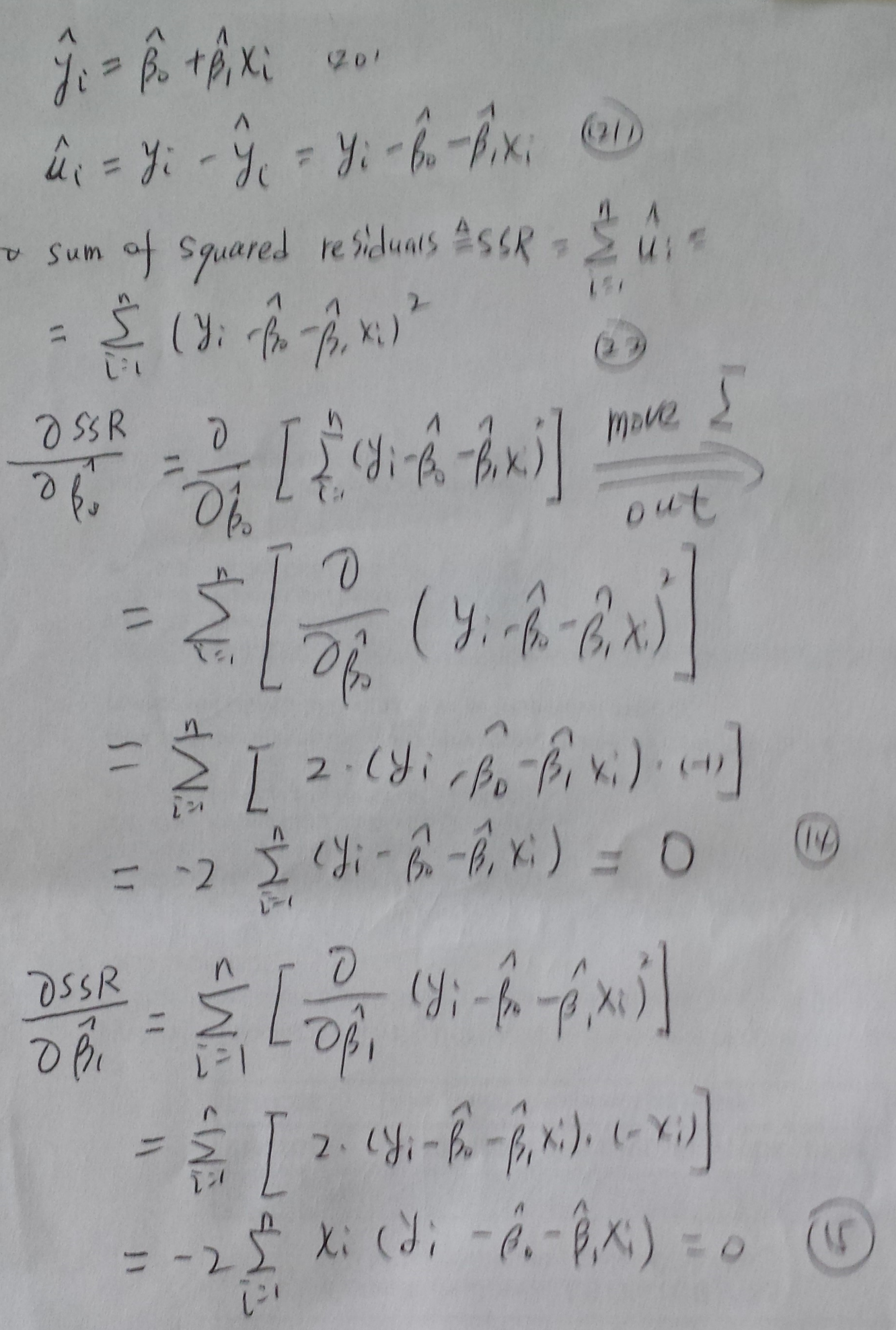
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