**Outline of hands-on training session 3 (Answers)**

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| **Tasks** | **Solutions** |
| Task 1 | Please consult the lecture slide for solution |
| Task 2 | Please consult the lecture slide for solution |
| Task 3 | Please consult the lecture slide for solution   You can write a command to drop foreign key or do that via clicking on the menu of HeidiSQL.  Please remember to activate right database when doing the task. |
| Task 4 | **select** 2.345\*3.456/4.567 |
| Task 5 | **select** ID, sex, income, vote **from** chile  Change the sequence of column names, e.g.:  **select** vote, ID, sex, income **from** chile |
| Task 6 | **select** \* **from** chile |
| Task 7 | There are 2440 rows, based on the information from:   1. \\home.org.aalto.fi\liuy13\windows\AppData\Roaming\Tencent\Users\37155891\QQ\WinTemp\RichOle\4U25{324FQEYW8K6U50]H5F.png; 2. From the “report” window   */\* Affected rows: 0 Found rows:* ***2 440*** *Warnings: 0 Duration for 1 query: 0,015 sec. \*/* |
| Task 8 | **Select** \* **from** chile **where** region = 'M'  You can consult course slide for the instructions on how to export the data to be a csv file. |
| Task 9 | **Alternative 1:**  **create** **table** Statusquo\_research **as** (**select** age, sex, statusquo, vote **from** chile **where** statusquo < -1 **or** statusquo > 1);  **Alternative 2:**  **create** **table** Statusquo\_research **as** (**select** age, sex, statusquo, vote **from** chile **where** statusquo **not** **between** -1 **and** 1);  \\home.org.aalto.fi\liuy13\windows\AppData\Roaming\Tencent\Users\37155891\QQ\WinTemp\RichOle\CQE@7Z{T~XZEGJ%I]@~UA2K.png |
| Task 10 | Please consult the lecture slide for solution |
| Task 11 | * Find the record of young and middle ages (age less than 50) with a good education of secondary education income of over 75,000 Pesos who voted for Pinochet.   **Select** \* **from** chile **where** age <50 **and** education = 'S' **and** income > 75000 **and** vote = 'Y'  The number of rows is 14.   * Find the record of young and middle ages (age less than 50) with a good education of secondary education income of over 75,000.   **Select** \* **from** chile **where** age <50 **and** education = 'S' **and** income > 75000  The number of rows is 43.  **Select** 14/43  Therefore, the result for the first group is 0.3256   * Find the record of young and middle ages (age less than 50) who have a limited education (primary education) and with a limited income (less than 10,000 Pesos) who vote for Pinochet.   **Select** \* **from** chile **where** age <50 **and** education = 'P' **and** income < 10000 **and** vote = 'Y'  The number of rows is 107.   * Find the record of young and middle ages (age less than 50) who have a limited education (primary education) and with a limited income (less than 10,000 Pesos).   **Select** \* **from** chile **where** age <50 **and** education = 'P' **and** income < 10000  The number of rows is 257.  **Select** 107/257  Therefore, the result for the second group is 0.4163.  As a result, the hypothesis is not well supported. |
| Task 12 | **Select** \* **from** tripadvisor\_review\_sample\_without\_reviewtext **where** overall\_rating = 1 **and** author\_num\_cities\_visited > 10  **and** author\_num\_reviews > 10 **and** author\_num\_hotelreviews > 10 **and** review\_date **between** '2012-10-21' **and** '2012-12-21' **and** username **NOT REGEXP** "^a|^b|^c|^d" **order** **by** review\_date **desc** |
| Task 13 | **SELECT** \*  **FROM** chile  **Where** (region = 'N' **or** region = 'S') **and**  (population **between** 5000 **and** 90000) **and**  ((age **between** 23 **and** 31) **or** (age **between** 35 **and** 46) **or** (age **between** 55 **and** 65)) **and**  ((income **between** 2500 **and** 10000) **or** (income > 75000)) **and**  (statusquo **not** **between** -0.5 **and** 0.5) **and**  (education != 'S') **and**  (vote = 'A' **or** vote = 'U')  **order** **by** income **desc**, age **asc**, statusquo **desc**  **limit** 4,6 |

**Congratulations! You can now accomplish such a complex query!**