

# Evaluatieresultaten: Business Intelligence

Evaluatiebeschrijving:

## Algemene informatie

Uitgenodigd:	52
Aantal reacties:	16
Opkomst:	30.8%
Eigenaren:	<ul style="list-style-type: none"><li>• Bex, F.J. (Floris)</li><li>• Spruit, M.R. (Marco)</li></ul>

## Cursusinformatie Osiris

Cursuscode:	INFOMBIN
Collegejaar:	2015
Periode:	4
Docenten:	<ul style="list-style-type: none"><li>• dr. F.J. Bex</li><li>• dr. M.R. Spruit</li></ul>
Ingeschreven studenten:	52
Meegedaan aan tentamen:	0 (0%)
Geslaagd*:	0 (100%, 0% van het totaal)

\* = Eindcijfer minstens een 6 of een C-.

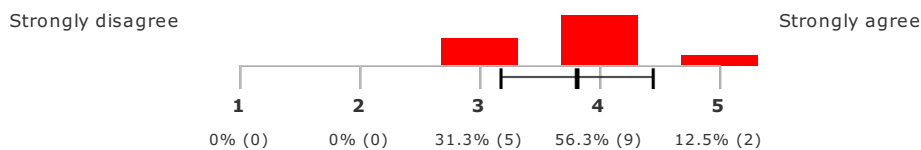
## Behaalde cijfers

Gemm.:	0
Std. dev.:	0

## Overzicht van vragen

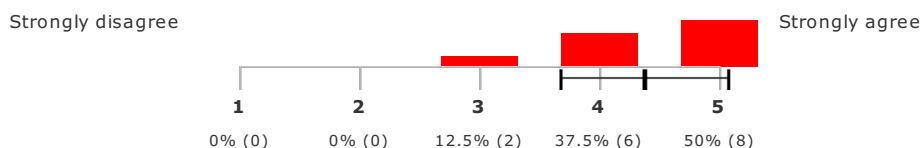
### General

#### I enjoyed the course



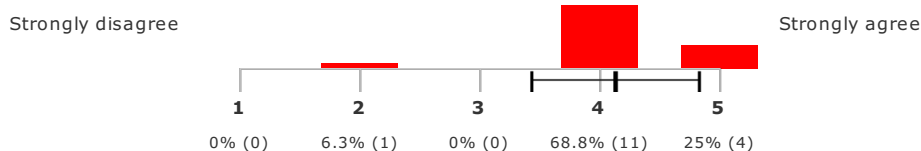
N = 16
Avg. = 3.8
Std. dev. = 0.6

#### The course was relevant for my programme



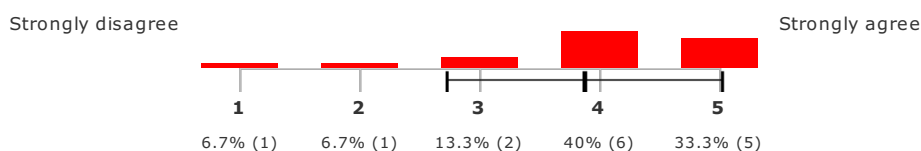
N = 16
Avg. = 4.4
Std. dev. = 0.7

#### I learned a lot from this course



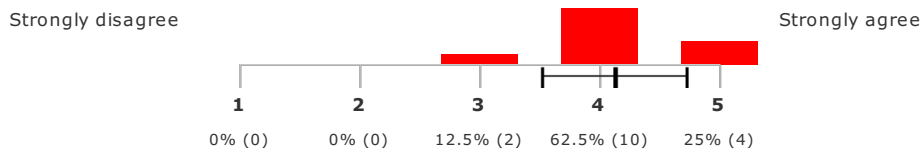
N = 16
Avg. = 4.1
Std. dev. = 0.7

#### My prior knowledge was sufficient to take this course



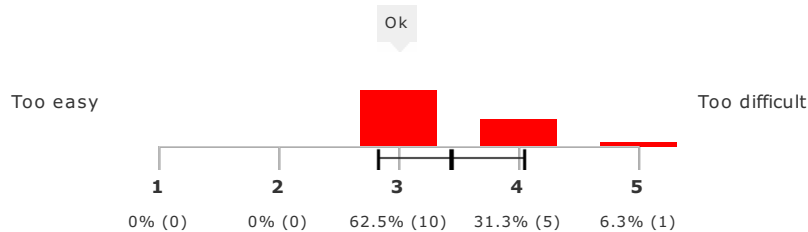
N = 15
Avg. = 3.9
Std. dev. = 1.1

### I know the learning goals of this course.



N = 16
Avg. = 4.1
Std. dev. = 0.6

### The degree of difficulty of this course was



N = 16
Avg. = 3.4
Std. dev. = 0.6

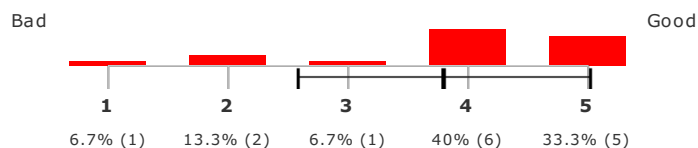
### How many hours per week did you spend on average on this course including classes?



N = 14
Avg. = 17.1
Std. dev. = 4.9

## Facilities

### What is your opinion about the practical aspects of the course (communication, website, announcements, regulations, etc.)



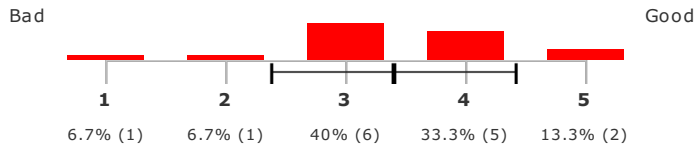
N = 15
Avg. = 3.8
Std. dev. = 1.2

### Other remarks concerning the organisation of the course:

- One time the course was canceled and the evening before the course was "re opened", however no e-mail was sent about this, and I don't think many students check the website daily.
- Communication was diffusive. Forum and website was sometimes in contrast, regarding the mini exams or course relevant information.
- Would like to see another tool than Jedox
- - the website contains a lot of information however the overview can be improved - some information were in the news feed, some in the schedule - some students had issues with the jedox license this can be improved next time
- There was information spread out over the whole cite, no idea what deliverables had to contain what information and also what the exact materials for the exam were. These were stated differently when you looked at different sources.
- This course was one of the best organized courses of the MBI programme so far. The project was very well-structured and the mini exams were a good addition.
- - Make a course guide (Information was sometimes really hard to find, there was no structure on mbin site) - Give students extra information about scraping and load the data into Jedox - Use the workgroups for extra information (--> scraping and load the data into Jedox) and do less presenting

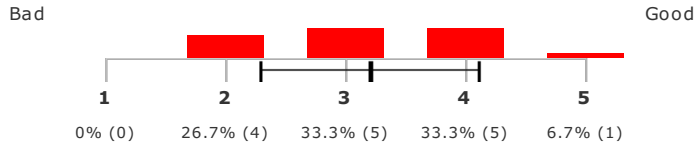
## Course material

**What is your assessment of the course material (readers, books, literature)?**



N = 15
Avg. = 3.4
Std. dev. = 1.0

**What is your assessment of the literature used?**



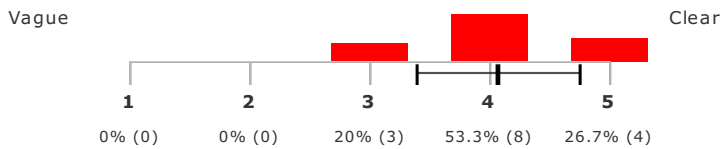
N = 15
Avg. = 3.2
Std. dev. = 0.9

**Other remarks concerning the literature:**

- Papers on ch1, ch3 and ch6 do not add significant value. Remove those and maybe focus more on data warehousing or analytics
- Literature seemed marginally relevant
- Book did not go in-depth; content was superficial, writing was vague, and it appeared out dated. Literature; the papers on BSC in education, data warehouse decisions and data mining in education were kind of interesting, but the for example the first paper and the one regarding GATE were non-informative and not relevant.
- The book we had to read was relevant and interesting, however it was also quite a lot given the overall workload and I am not sure if there is not a better way to become an understanding of the content described within the book.
- The extra papers could have been integrated in the lectures more
- -

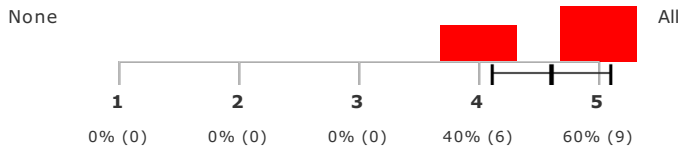
**The lectures**

**The lectures were**



N = 15
Avg. = 4.1
Std. dev. = 0.7

**How many lectures did you attend?**

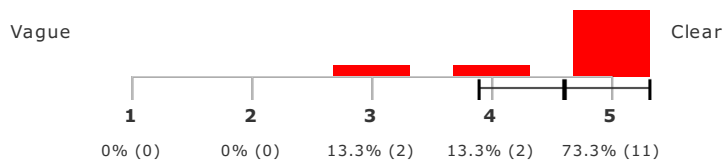


N = 15
Avg. = 4.6
Std. dev. = 0.5

**Other remarks concerning the lectures:**

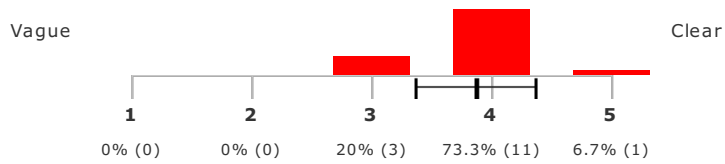
- Course material includes a no of papers besides a text book. But Lectures were more based on text book only.
- Lectures by the PhD's might need some work; slides about data management were unclear and presentation on big data in health was somewhat flat Most lectures did just provide the same information the book did; it would have been interesting to get more real life experience examples of the lecturers of BI in business environment or research
- In the lectures there were a lot of abbreviations, because of that the lectures were sometimes really hard to follow.

**The lectures of instructor Bex, F.J. (Floris) were...**



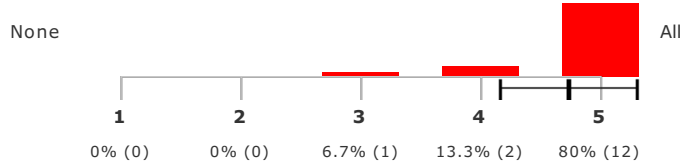
N = 15
Avg. = 4.6
Std. dev. = 0.7

**The lectures of instructor Spruit, M.R. (Marco) were...**



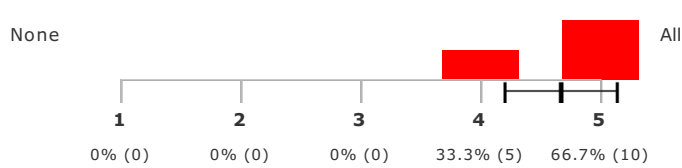
N = 15
Avg. = 3.9
Std. dev. = 0.5

**How many lectures of Bex, F.J. (Floris) did you attend?**



N = 15
Avg. = 4.7
Std. dev. = 0.6

**How many lectures of Spruit, M.R. (Marco) did you attend?**

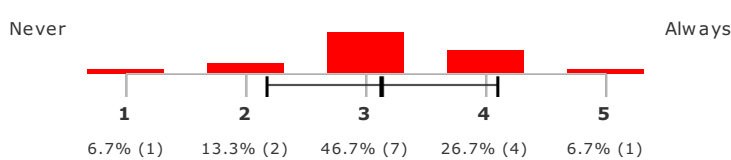


N = 15
Avg. = 4.7
Std. dev. = 0.5

**The tutorial sessions**

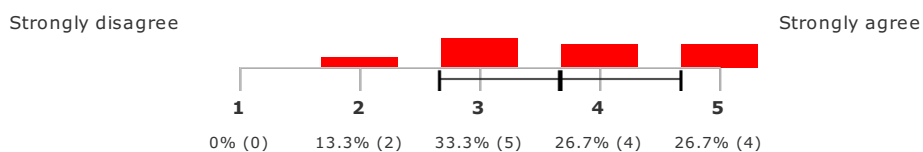
The questions below are about the regular workshop sessions.

**Did the tutorial sessions help you to better understand the course?**



N = 15
Avg. = 3.1
Std. dev. = 1.0

**The tutorial sessions were well guided**



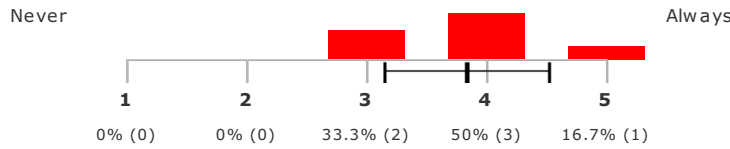
N = 15
Avg. = 3.7
Std. dev. = 1.0

**Other remarks concerning the tutorial sessions:**

- More active guidance using tutorial sessions would be nice

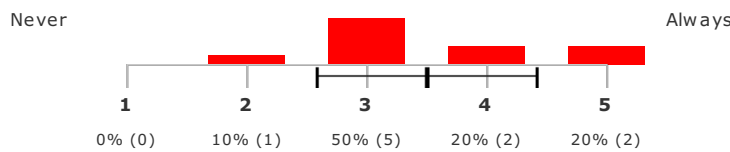
- I didn't like the number (5) of presentation in the workshops. It takes a lot of time preparing and the feedback was not that useful. I recommend doing one of two presentation to show progress and getting feedback on a project proposal.
- While it was sort of advertised that the tutorial sessions would give the students an opportunity to ask questions and such, they were nearly always filled with presentations. A better idea would be to just have the students work on the assignment and answer questions individually, as most problems we ran into in our team were quite specific and required someone to actually come take a look.
- Do less presenting in the beginning and use this for extra explanation about scraping data and loading it in jedox

**Did the tutorial sessions of Bex, F.J. (Floris) help you to better understand the course?**



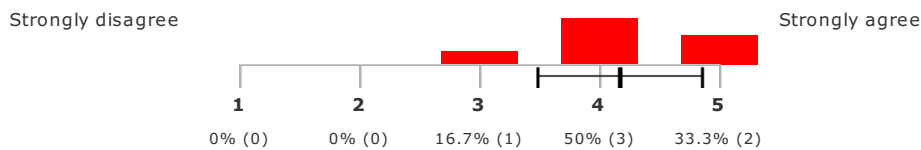
N = 6
Avg. = 3.8
Std. dev. = 0.7

**Did the tutorial sessions of Spruit, M.R. (Marco) help you to better understand the course?**



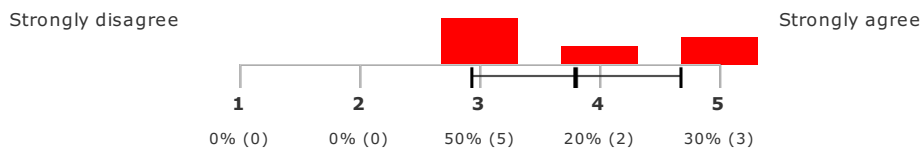
N = 10
Avg. = 3.5
Std. dev. = 0.9

**The tutorial sessions of Bex, F.J. (Floris) were well guided**



N = 6
Avg. = 4.2
Std. dev. = 0.7

**The tutorial sessions of Spruit, M.R. (Marco) were well guided**



N = 10
Avg. = 3.8
Std. dev. = 0.9

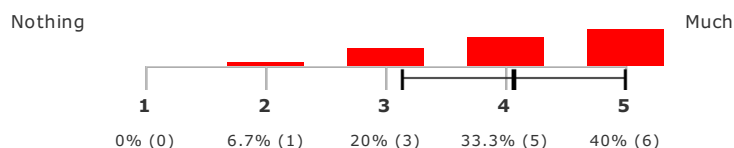
**Other remarks regarding the tutorial sessions...**

- The tutorial session on R was not really useful since a lot people had problems with scraping data. Maybe spend some more time on scraping.
- Tutorials contained too many students presentations; making it fairly boring and not per se useful for the course

Please note that Lab sessions include the Jedox crash course sessions and the R tutorial.

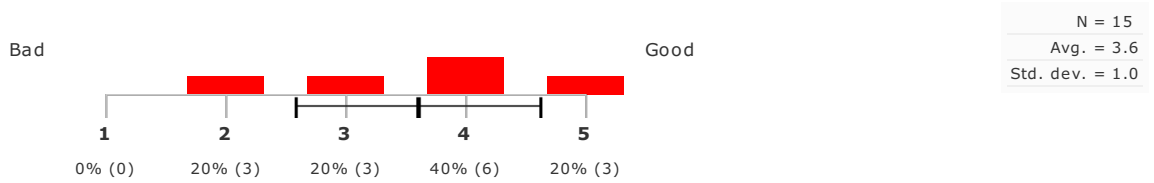
**Lab assignments**

**Did you learn something useful during the lab assignments?**



N = 15
Avg. = 4.1
Std. dev. = 0.9

**The coaching of the lab assignments was...**

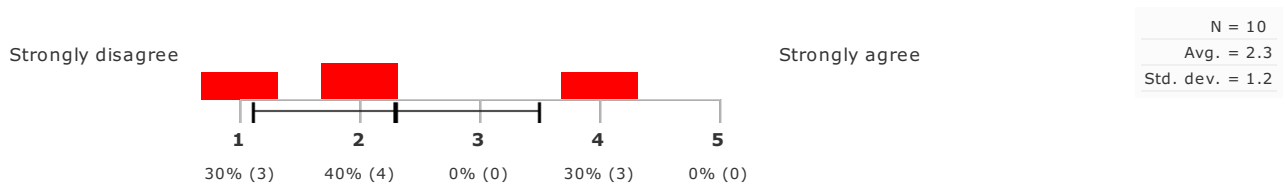


**Other remarks concerning the lab assignments:**

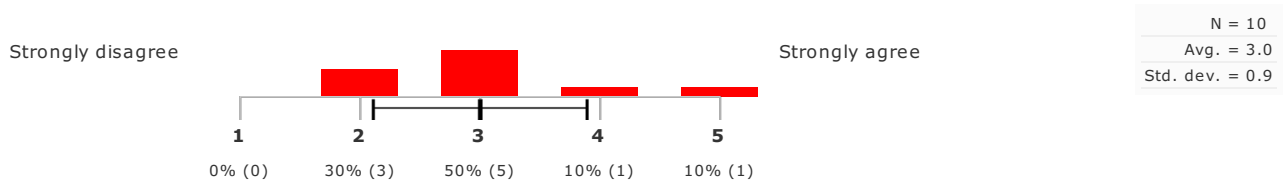
- Quite a lot of people struggled with Jedox. In the future I would like to see that there is some more emphasis based on the load and transform part via Jedox Web Integrator. Especially on the do's and don'ts' as the trial and error approach is time consuming and frustrating.
- We didnt do anything with R, so for me it was vague to get lab assignment about that

**Assessment**

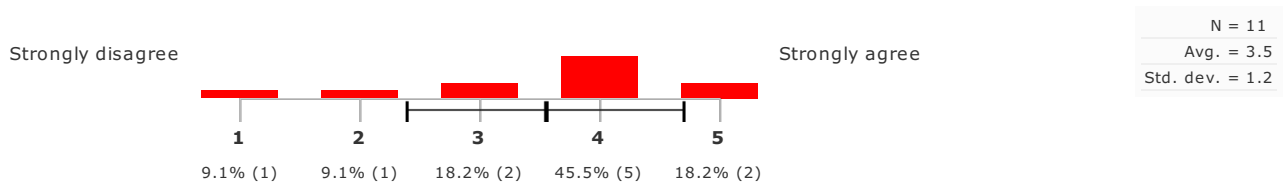
**The exam represented the content of the course well**



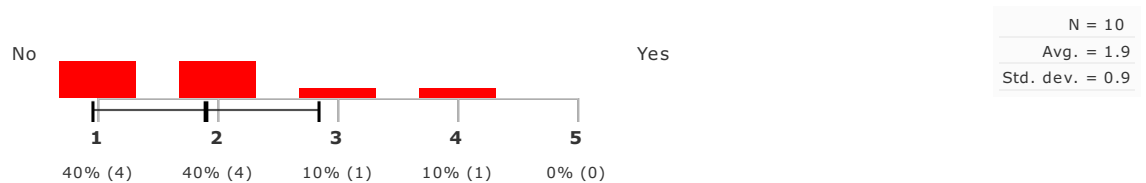
**The level of difficulty of the exam was in accordance with the level of difficulty of the course**



**All aspects of the examination such as form of assessment, content to be learned, grading, etc, were clear to me**



**Was the final exam in accordance with your expectations?**



**Other remarks concerning the final exam:**

- Did not do the exam yet
- I expected more question about specific processes involved. Some questions were every global and didn't seem clear to me at all.
- - Exam content only covered a very small part of the total content. Off course you can't include everything but in my opinion you missed on some other important subjects. - When stating that the exam will be on the book and papers, don't include a large part guest lectures.
- I found one question for each chapter in the entire course to be way too little. Not knowing one aspect from one of the chapters resulted in losing out on 1/7th of all points, which I find a lot. Next year's exam should have more questions on each chapter.

- I think it is a weird choice to make a small part of 1 (not so greatly given) lecture 1/7 of the exam. Especially when it was stated in the manual that the exam would regard "[..] the book and all associated papers". In addition, the exam should be revised to make the questions less ambiguous/vague
- There is so much content that could fill multiple exams but in stead the exam had only 5 questions on materials used in the book. Also in the timetable on the site there was only mentioned you needed to study the book and papers. However in the P4E running assignment sheet there was stated that also guest lecturers and R needed to be studied. I did not feel as if this is representative to what Marco and Floris mentioned about what would be on the exam.
- Although each chapter of the book was covered in the exam, the questions were too abstract and focused on 1 aspect of a chapter. A lot of material that was covered in the course was not examined.
- One question of every chapter was not representative of the entire book. There was so much information in it, and a lot to learn. So you have to be lucky to get questions about the things you learned. Would be better to make more questions.

## Finally

### If the course were changed, what should be kept the same?

- - Working in groups of 3 - the lab sessions - the diversification between marco and floris
- Jedox Assignment before P4E was quite helpful to get some hands-on on the tool.
- Marco and Floris,
- Lab assignment
- I liked the assignment.
- The project is fun, but please let us choose our own tools as Jedox did not support all our ideas
- The structure and the lecturers' enthusiasm
- Jedox crash course

### What can be improved on the course?

- I was not a big fan of Jedox, many problems occurred with it.
- Objective on grading of the assignments were not clearly indicated which leads to incorrect focus points of the components.
- More guest lectures, change jedox
- The focus on Jedox's Web Integration Manager, especially the loading and transforming part. What are the do's and don'ts, and especially a decent manual for this program.
- Less presentations, more guidance regarding the scraping.
- - Exam
- Tools used, examination (ambiguous questions - both in mini exams and final exam) It would be interesting if the course were less practical and more scientific
- tutorials on web scraping (pyhton), Jedox integration manager, and transforming data
- An exam with more questions to divide the points over more aspects of the material
- Help with the big assignment and the exam (See previous comments)

### Which subjects did you expect from the course, but turned out not to be part of it?

- More of the interpretation of the data
- Working in MySQL or Oracle.
- -
- More research details; how research is conducted, what interesting topics are in BI More experience details as well; it would be nice if lecturers shared more of their BI experiences, since the book is not that interesting :)
- -

### Other remarks and suggestions:

- The project was a logical addition to the course, but not as scientific as we are used to in the entire programme.
- -

### How would you evaluate the overall quality of this course on a scale of 1 to 10?

(0)		0%	<b>1</b>
(0)		0%	<b>2</b>
(0)		0%	<b>3</b>
(0)		0%	<b>4</b>
(0)		0%	<b>5</b>
(3)	<div style="width: 25%; background-color: red;"></div>	25%	<b>6</b>
(5)	<div style="width: 41.7%; background-color: red;"></div>	41.7%	<b>7</b>
(4)	<div style="width: 33.3%; background-color: red;"></div>	33.3%	<b>8</b>
(0)		0%	<b>9</b>
(0)		0%	<b>10</b>

N = 12
Avg. = 7.1
Std. dev. = 0.8

## Reacties

### Spruit, M.R. (Marco)

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For me (Marco) this was arguably the best edition of MBIN so far. I personally really like Jedox as an OLAP tool, even though it has its issues. I like all professional software. I predict that in a few years from now, you will sigh every once in a while, longing for Jedox, when you are forced to use similar tools in your upcoming professional career...

I am generally happy with your assessment, even though I hoped to get a better n for this evaluation. Some things I will take into account next year: (1) further improvement of the workshops. I liked the analytics assignment in R a lot, and will aim to do something similar for webscraping as well next time. This will imply less room for presentations. (2) You are the first cohort to have a 14-page course/assignment outline text, but still it's not enough ;- ) I will work further on providing a single version of the truth next time, which apparently could best be the separate assignment document since you read that more carefully than the other portions of the website, which is interesting to know.

One thing I do not agree upon and will not change next time either, is the exam. I think it is (explicitly) well-balanced and representative, esp. since it is obviously not really feasible to examine every subtopic given the very limited timeframe to grade. Also, it is plain obvious to me (and all staff members I discussed with) that EVERYTHING we do during the course is part of the exam materials! However, I aligned all occurrences which may have caused any ambiguity now. Personally, though, I think you'd better refrain from this type of complaining, as it may seem that you expect 'school-type' education, whereas imho you should focus on training and further improving your critical thinking and common sense skills... And/or just ask the team to clarify (which some of you also did in time).

To conclude, let me re-iterate your overall performance: you have been a great group! You worked hard, were very enthusiastic, eager to learn, and turned out to be a highly capable BI team incubator! I (and all other examiners) were highly impressed with some of the dashboards that you managed to deliver within just 2 months. It's soooo much better than what the actual managers and directors have to use in their daily practice at UU ;- )

So, thank you for a great course, have a great holiday, and see (most of) you again next academic year!  
Marco, on behalf of Floris, Marijn, Vincent, Armel and Ian as well.