

Business Data Analytics Study Group Syllabus

The International Institute of Business Analysis (IIBA[®]) Australia Chapter offers you an opportunity to participate in the newest addition to our education catalogue – BDA (Business data Analytics) Study Group. The intent of the Study Group, like all study groups, is two-fold:

- enrich participants with a greater understanding of business data and analytical processes,
- And help prepare for the certification exam for the specialized BDA- IIBA[®] Certification.

Target Audience

The study group may be suitable for you if you:

- Have at least 4 years Business Analysis experience AND
- Have worked in data driven environment and framework for at 1 year or more AND
- Are planning to pursue BDA- IIBA[®] Certification and/or
- Would like to work collaboratively with others to develop your understanding of the Guide to Business Data Analytics[®] v.1

Study Group Purpose

- To provide a structured and shared experience to learn the content of the Guide to Business Data Analytics[®] v.1
 - Understanding the Six BDA Domains
 - BDA focused techniques
 - BDA fit in core Business Analysis
- To identify practices that may enhance your own Business Analysis performance
- To share experiences and challenges that will enable greater understanding of how to achieve success as a Business Analyst
- To help prepare for BDA- IIBA[®] Certification

Learning Objectives

1. Participants will achieve a demonstrated understanding of the Guide to Business Data Analytics[®] v.1 content and know how to use it for reference
2. Participants will have the support from experienced IIBA volunteers to aid them with the IIBA[®] certification application process and examination

Participant Prerequisites

Participants must be individual members of IIBA[®] Australia

- You must be a member of IIBA[®] (Global) before becoming an IIBA[®] Australia Chapter member. To become a member of the IIBA[®] you need to register and submit the online applications which can be found at <http://www.iiba.org>
- To join, or renew your Australia Chapter membership, follow this link <https://australia.iiba.org/chapter-membership>

Participants must sign a copyright agreement, which prohibits the sharing of material from the study group with anyone not also enrolled in the same study group

Participants will benefit if they already have the following experiences:

- Sound core Business Analysis knowledge and skill set. A prior participation in a BABoK Study Group and/ or core BA certification (ECBA[®], CCBA[®], CBAP[®]) will be very advantageous for the learning outcomes in the BDA study group.
- At least 1 year working experience in a data driven organizational or delivery context.
- This will ensure the BDA sessions have
 - quality group discussions- participants have prerequisite experience and don't feel left out
 - content presentations at the expected level and
 - techniques are delivered in interactive workshop mode

Participant Commitment

Participants are expected to:

- Prepare for each session by pre-reading the topic and related techniques
- Contribute to discussions during the session, and to any online discussion forum hosted by and for the study group
- Create and deliver a presentation for one session
 - Participants will be allocated to a team/week (may be solo)
 - Each team will create and present an allocated topic
 - Each team will deliver in interactive workshop mode two related techniques
 - Technique from Guide to Business Data Analytics® v.1
 - Technique from BABOK V.3®
 - Make their presentation available to all study group participants
 - Facilitate the discussion for their session

Session Agenda

In general, each session will conform to the following agenda:

Item	Responsibility	Time
Participant attendance recorded	Study Group Facilitator	5
Recap of previous session	Study Group Facilitator	5
Topic presentation and discussion	Assigned Team	40
Break		5
Related techniques – BDA and BABOK	Assigned Team	40
Topic Quiz (where applicable)	Study Group Facilitator	15
Mini-retro & Certification Support	Study Group Facilitator	10
Total		120

Logistics

Groups: See your local IIBA® branch schedule <https://australia.iiba.org/>
Group Size: Limited to 12 per group
Sessions: 6 * 120-minute sessions. @ week break between session1 and 2 and then weekly schedule
Venue: Check with your local IIBA® branch

Credits

Participants can earn up to 18 IIBA® Professional Development (PD) Hours / Continuing Development Units (CDUs)

Credits Eligibility

To be eligible for credits, participants must:

- Attend and contribute during sessions – NB: attendance is recorded at the beginning of each session in accordance with IIBA® credit rules. Each session is worth 2 PDUs/CDUs)
- Attend a minimum of 4 sessions to obtain a Certificate of Participation
- Participate in topic tests administered by the Study Group Facilitator
- Create and present one session topic and related techniques (6 PDUs/CDUs)
- The techniques in the syllabus are extract from the Guide to BDA v.1. Participants are welcome to select other techniques recommended for the domain as long as this is not repetitive with previous sessions.

Cost

The cost is A\$165 per study group participant (inclusive of 10% GST), effective from 1st August 2020 until further notice

Note: Study Group participation is not transferrable

Registration

Registration can be made via <https://australia.iiba.org/>

Future Schedule

Additional study groups are offered in different locations throughout the year. You can register your interest with your local IIBA[®] Australia branch and you will be contacted when a suitable study group is being scheduled. Register at <https://australia.iiba.org>

#	Topic	Presentation	BABOK® and BDA® Techniques	Who
1	Chapter 1 – Introduction Chapter 2 – Overview of BDA Domains and Tasks	<ul style="list-style-type: none"> • Introductions – Get to know your study group • General overview of study groups and how they operate • Business Data Analytics - Overview • Chapter 1 – Introduction to Business Data Analytics • Chapter 2.6 – Company-level Strategy for Business Data Analytics 		Study Group Facilitator
2	Chapter 2.1.– Identify the Research question	<ul style="list-style-type: none"> • Defining the business problem or opportunity; • Identifying and understanding the stakeholders; • Assessing the current state; • Defining the future state; • Formulating research questions • Planning business data analytics approach; and • Selecting techniques for identifying the research questions. 	<u>BABOK Techniques:</u> <ul style="list-style-type: none"> ✓ Business Model Canvas(10.8) ✓ Decision Modelling and Analysis (10.16 and 10.17) <u>BDA Techniques:</u> <ul style="list-style-type: none"> ❖ Problem Reframing and Shaping ❖ Hypothesis formulation and testing ❖ Exploratory Data Analysis 	Team 1
3	Chapter 2.2– Source Data	<ul style="list-style-type: none"> • Plan Data Collection • Determine Data Sets • Collect Data • Validate Data • Relevant Techniques 	<u>BABOK Techniques:</u> <ul style="list-style-type: none"> ✓ Data Dictionary (10.12) ✓ NFR Analysis (10.30) <u>BDA Techniques:</u> <ul style="list-style-type: none"> ❖ Data Mapping ❖ ETL and Data management Techniques 	Team 2
4	Chapter 2.3 – Analyse Data	<ul style="list-style-type: none"> • The approach to data analysis • How to develop data analysis plan • Predictive analysis – Algorithmic models • Establishing relationships for data analysis • Exploratory analysis • Performing data analysis • Techniques for data analysis 	<u>BABOK Techniques:</u> <ul style="list-style-type: none"> ✓ Financial Analysis (10.20) ✓ Scope Modelling (10.41) <u>BDA Techniques:</u> <ul style="list-style-type: none"> ❖ Data Journalism and Storytelling ❖ Simulation ❖ Optimisation 	Team 3
5	Chapter 2.4 – Interpret and Report Results	<ul style="list-style-type: none"> • Describe the Interpret and Report Results (IRR) domain • State the Interpret and Report Results domain objectives • State all the activities (tasks) identified in IRR 	<u>BABOK Techniques:</u> <ul style="list-style-type: none"> ✓ Root Cause Analysis (10.40) ✓ Prototyping (10.36) <u>BDA Techniques:</u> <ul style="list-style-type: none"> ❖ Data Journey and Orchestration ❖ The Big Data 	Team 4

		<ul style="list-style-type: none"> Describe each activity (task) identified in IRR State relevant techniques that can be used in IRR 		
6	<p>Chapter 2.5 - Use Results to Influence Business Decision- making</p> <p>Chapter 2.6 – Guide Organizational Level Strategy for Business Data Analytics</p> <p>BDA Study Group Retrospective</p>	<ul style="list-style-type: none"> Recommend Action Develop Implementation Plan Manage Change Relevant Techniques Retrospective 	<p><u>BABOK Techniques:</u></p> <ul style="list-style-type: none"> ✓ Acceptance and Evaluation Criteria (10.1) ✓ Balanced Scorecard (10.3) <p><u>BDA Techniques:</u></p> <ul style="list-style-type: none"> ❖ For retro – 4 Ls or Stop/ Start/ Continue /Change 	Team 5

Acceptance

By enrolling and signing up via the IIBA Australia Chapter website, I have read the Study Group Syllabus and agree to the terms for certification of attendance and the Credits awarded based on my attendance and contribution.

Document Information

Author:	Ant Erickson	Audience:	IIBA® Australia Students
Date	08/02/2023 v.1.1		
Portfolio:	Certification & Education		

Version History

Version	Date	Author	Comment
1.0	N/A	IIBA Australia	v1.1 initial version
1.1	08/02/23	Ant Erickson	Added Signature via EventBrite acceptance, fixed logo, added document history/information.
1.2	03/12/24	IIBA Marketing	Changed registration details to IIBA Australia website.