

Machine Learning Bootcamp

Organizer Guide

What is Machine Learning (ML) Bootcamp?

ML Bootcamp is one stop location to learn about Google's latest ML offerings. The bootcamp provides fast paced, practical introduction to Machine Learning - divided in three modules : Design, Learn, Study & Build.

Intended Audience

Developers working in startups/enterprises who're interested to learn and apply Machine Learning in their products/projects.

Why run a Machine Learning Bootcamp?

ML bootcamp is a great opportunity to bring the developer community in your region together to learn fundamentals & application of Machine learning using TensorFlow and Google Cloud Platform. This will give a boost to an individual's ability to implement ML in their company's existing/future product/s, resulting into more innovation and more growth.



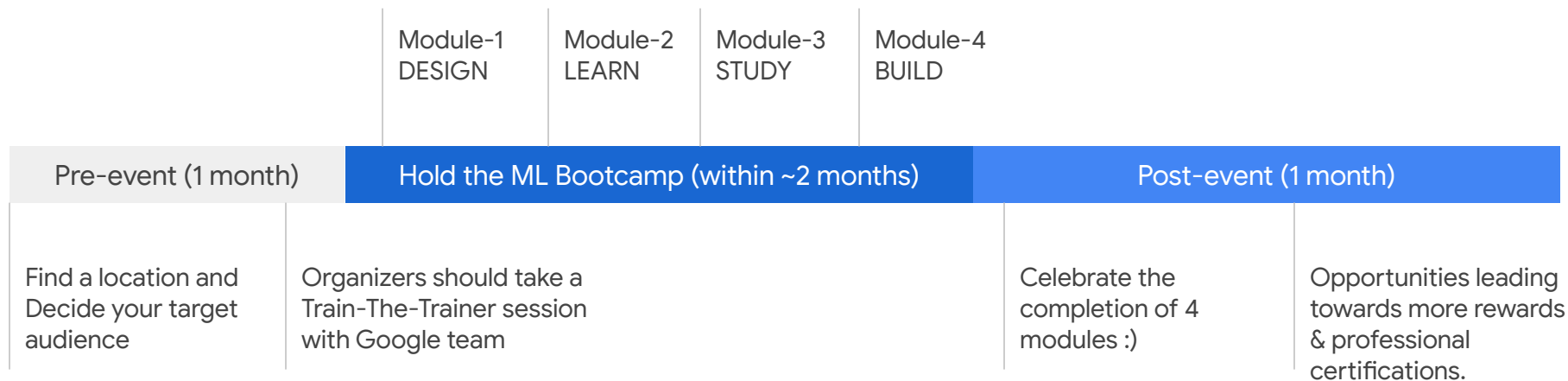
Machine Learning Bootcamp Content

[\(detailed kit here\)](#)

Module-1 Design	Module-2 Learn	Module-3 Study	Module-4 Build
<p>Duration: 4 hours</p> <p>Aim: To introduce participants with design thinking approach to frame ML problems</p> <p>Format: Design thinking workshop</p> <p>Participants receive: Detailed design thinking guide & materials</p>	<p>Duration: 4-6 hours</p> <p>Aim: To get participants understand ML theory & practice through study groups</p> <p>Format: Group Study</p> <p>Participants receive: 1 month free access to relevant course on Coursera</p>	<p>Duration: 4 hours</p> <p>Aim: To get participants understand Google Cloud Platform ML offerings through codelabs</p> <p>Format: Hands on labs</p> <p>Participants receive: 1 month free & unlimited access to Qwiklabs</p>	<p>Duration: 4-6 hours</p> <p>Aim: To help participants develop a working ML model to solve a real world problem</p> <p>Format: Hackathon</p> <p>Participants receive: \$XXX GCP credits to build prototypes</p>

Organizing an ML bootcamp

Reference timeline



Partner checklist

Use this checklist to track your readiness for the bootcamp.

Pre-Event	Post-Event
<input type="checkbox"/> Find a Venue	<input type="checkbox"/> Run the in-person event (4 modules)
<input type="checkbox"/> Submit the organizer registration form	<input type="checkbox"/> Set-up & maintain support channels
<input type="checkbox"/> Find trainers	<input type="checkbox"/> Recognition - Celebrate graduation!
<input type="checkbox"/> Attend the Train-The-Trainer Hangout	<input type="checkbox"/> Submit organizer feedback form
<input type="checkbox"/> Create an event page	
<input type="checkbox"/> Promote your bootcamp	
<input type="checkbox"/> Send confirmations & pre-event message	

Find Venue

Find a venue which has:

- Internet connection, wifi or ethernet. The labs require a connection to run.
- Chairs and tables. Attendees will be using their laptops.
- Power outlets. The event will run for about 3-5 hours.
- A projector that the Facilitator can use to share their screen with attendees.

Idea setups: Training room, Maker lab,
Coworking space, Auditorium



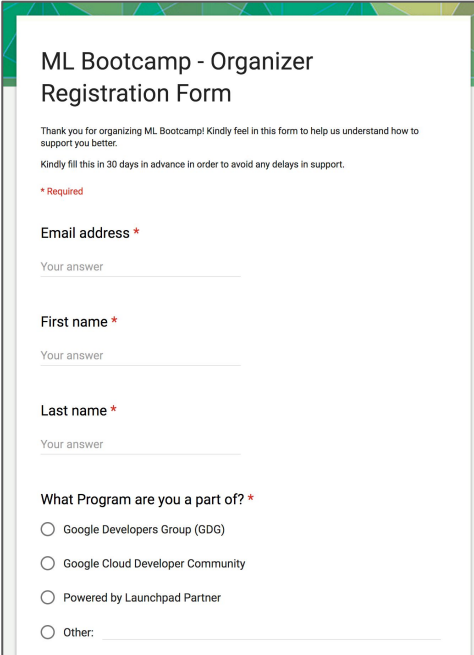
Submit Organizer Registration Form

Register your bootcamp by filling in this form: bit.ly/MLB-register ideally before 30 or more days of hosting the first module.

In the form:

- Indicate the dates & schedule for each module + target number of attendees
- Indicate speaker requests (subject to availability of speakers)
- Indicate if you need any additional support

After filling in the form, watch your inboxes for Invite for the TTT session + Coursera & Qwiklab vouchers

A screenshot of a web form titled "ML Bootcamp - Organizer Registration Form". The form has a decorative green and yellow geometric border on the left and top. The content area is white. It starts with a thank you message and a request to fill the form 30 days in advance. There are three required fields: "Email address", "First name", and "Last name", each with a red asterisk and a "Your answer" label below the input line. The final section is "What Program are you a part of?" with a red asterisk, containing four radio button options: "Google Developers Group (GDG)", "Google Cloud Developer Community", "Powered by Launchpad Partner", and "Other:" followed by a text input line.

ML Bootcamp - Organizer Registration Form

Thank you for organizing ML Bootcamp! Kindly fill in this form to help us understand how to support you better.

Kindly fill this in 30 days in advance in order to avoid any delays in support.

* Required

Email address *

Your answer

First name *

Your answer

Last name *

Your answer

What Program are you a part of? *

☐ Google Developers Group (GDG)

☐ Google Cloud Developer Community

☐ Powered by Launchpad Partner

☐ Other: _____

Please email at ml-events-help@google.com if there's change in your plans with regards to your event.

Find trainers

Design

1 main facilitator, 3 volunteers

Facilitator : Someone who has delivered a design sprint/ design thinking workshop in past for a group of 25-30 people. Familiarity with ML use cases (in depth knowledge of ML/AI not required).

Example: GDE/ certified sprint master / UX expert

Volunteers : Someone who is familiar with design thinking methodology and is keen to help teams understand the process. Eg. Community organizers.

Study & Learn

1 main facilitator, 3 volunteers

Facilitator : Someone who has delivered training/sessions on ML & GCP (knowledge of both theory & application), Experienced with qwiklabs (completed quests), worked on a real life ML project.

Example: Cloud Study Jam (CSJ) facilitator / GDEs / Trainer

Volunteers : Someone who is familiar with qwiklab platform and is keen to help teams with session related doubts/help when stuck. Eg. CSJ attendees who completed quests.

Build

1 main facilitator, 3 mentors

Facilitator : Someone who has participated in any hackathon, has experience building ML models (using TF & GCP), and has fair understanding of end to end ML project lifecycle.

Example: GDE / Organizer of ML/Cloud community

Mentors : Experienced ML practitioners in industry who can mentor teams on building their ML models, familiar with TF & GCP applications.

Attend the Train-The-Trainer session

Train-The-Trainer hangouts will be hosted to give trainers & organizers an overview of ML bootcamp content, curriculum, modules & facilitation.

Upcoming hangouts:

- Date 1, time
- Date 2, time

If you've filled in [bootcamp registration form](#), we will extend an invite to you for this session - you can invite your trainers to join the same. The trainers can choose to attend any one of the two.

Create an event page

We recommend using [Meetup.com](https://www.meetup.com)



When entering your event details...

- The event title must contain the words “ML Bootcamp”.
- Make separate events for each separate module. For example, “ML Bootcamp <Design>”, “ML Bootcamp <Study>” etc.
- Feel free to write your own event description or copy parts or all of the sample description on the next page.

Example Description*

We're super excited to bring "Machine Learning Bootcamp" to our **[Community Name]**. This Bootcamp is a one stop solution to learn about Google's latest ML offerings. The 4 module intensive bootcamp will include workshop, training, hands on sessions and a project.

What is included:

- Design thinking workshop
- Walkthrough of ML fundamentals using GCP & TensorFlow
- Guided codelabs on GCP ML products like Cloud ML, Auto ML Vision, BigQuery ML
- Hands on project experience (guided by ML mentors) to solve real life problems by applying ML in practice

This bootcamp will be suitable for developers:

- Who are strong programmers
- Who are at least somewhat familiar with Python and Google Cloud Platform
- Who know at least a little about linear algebra and calculus.
- Who are interested to learn and apply ML in your day-to-day work and projects

This bootcamp is not recommended for:

- Participants with extensive machine learning backgrounds.
- Participants looking to learn about the lower-level intricacies of raw TensorFlow. Although the course does contain some basic TensorFlow exercises, most of the exercises focus on high-level Tensor APIs.
- Participants seeking advanced topics in machine learning such as image convolutional models and recurrent/sequential models.

When? **[Insert time & dates]**

Where? **[Insert place]**

Interested candidates fill in this form **[Insert form]** and register for ML Bootcamp by **[Deadline]**. Upon confirmation of your seat, you would be notified latest by **[Insert date]** via email.

Promote your Bootcamp

Social media posts coming soon...

Send confirmations and pre-event message*

Confirmation Email template:

Confirmation for ML Bootcamp

Hi *[name]*,

This email confirms that you have successfully registered for the My Event!

- Module-1 Design
- Date & time: *[Insert details]*
- Location: *[Insert address]*

Please bring your own laptop for the working sessions. Also, you can change or cancel your registration from the registration page.

We look forward to seeing you there!

Thanks!

Pre-event Email template

Hi *[name]*,

We're looking forward to seeing you at ML Bootcamp tomorrow!

Pre-work for the bootcamp:

If you have some extra time, we encourage you to go through the following, to prepare yourselves better for the bootcamp *[insert pre-work]*

Final checklist for the bootcamp:

- You can come to *[directions to venue]*
- Plan to arrive by **9:30am**. The session will start sharp at **10am**.
- We'd need you to bring
 - Your laptop and charger
 - Pen & paper (or any other preferable option if you plan to take notes)
 - A can-do attitude!

For any unavoidable reasons, if you're not able to make it to the bootcamp, please let us know by replying to this email so that we can open up slots for people in waitlist.

Thanks!

Run the in-person bootcamp (4 modules)

1. Setup

Help attendees set up necessary environments, tools & networks for the respective module.

2. Agenda

Share the detailed agenda of the day and set expectations what would attendees learn at the end of the session.

3. Module

Run in person labs/ workshop/ hackathon as per the module content.

4. Feedback

Gather feedback after the end of each module (verbal or through form)

5. Wrap up

What's next? Encourage attendees to revise & self study to strengthen their skills (share materials).
Share what attendees will learn in next module.

Set-up & maintain support channels

It is very important to keep the students motivated throughout the bootcamp cycle, especially in between two modules, when they self study a lot of things.

There will be times when they will get stuck and might give up because there's no one checking in or no one there to help out. Utilise the power of collaboration and community.

Keep in touch with them through different online mediums like email, slack channel, hangout session, whatsapp group etc to see if there are any struggles they're facing and if you could help them!

Recognition - Celebrate graduation!

We will be shipping you a swag kit - which you can choose to give to participants based on finishing various modules.

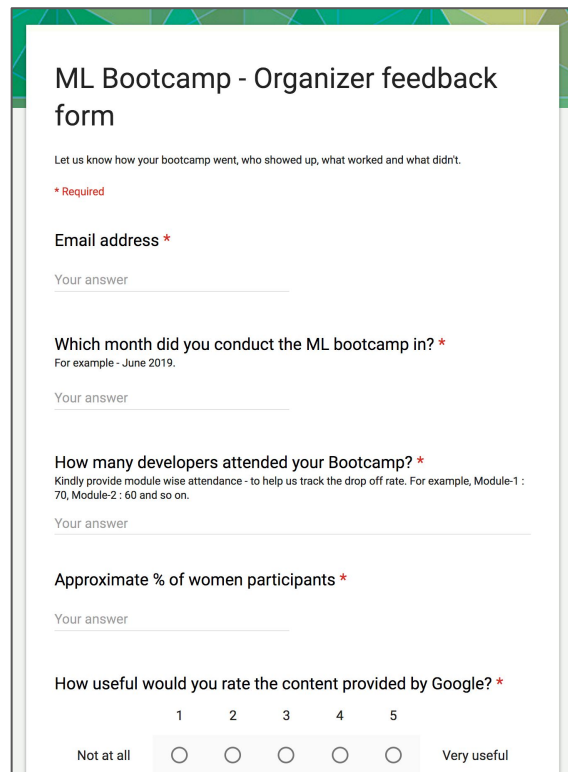
Here's an attendance certificate [\[insert link\]](#) you can print & share with the attendees of your event - who attend all the three modules. Celebrate with your group upon completion of the course!

Submit Organizer Feedback Form

Done with the bootcamp? Kindly fill in this form and let us know how it went.

bit.ly/MLB-feedback

You are the expert on what works in your community. We want to hear from you, so future bootcamps will be even more awesome for you and your members!



ML Bootcamp - Organizer feedback form

Let us know how your bootcamp went, who showed up, what worked and what didn't.

*** Required**

Email address *

Your answer

Which month did you conduct the ML bootcamp in? *

For example - June 2019.

Your answer

How many developers attended your Bootcamp? *

Kindly provide module wise attendance - to help us track the drop off rate. For example, Module-1 : 70, Module-2 : 60 and so on.

Your answer

Approximate % of women participants *

Your answer

How useful would you rate the content provided by Google? *

1 2 3 4 5

Not at all ☐ ☐ ☐ ☐ ☐ Very useful

Digital Assets

To be added

- Guidelines
- Logo
- Poster
- Banner
- Certificate
- Holder
- Stickers

Questions? Write to us!

Email: ml-events-help@google.com

PoC: desaiv@google.com or thyeyeowbok@google.com

Thank you